Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

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Number 18

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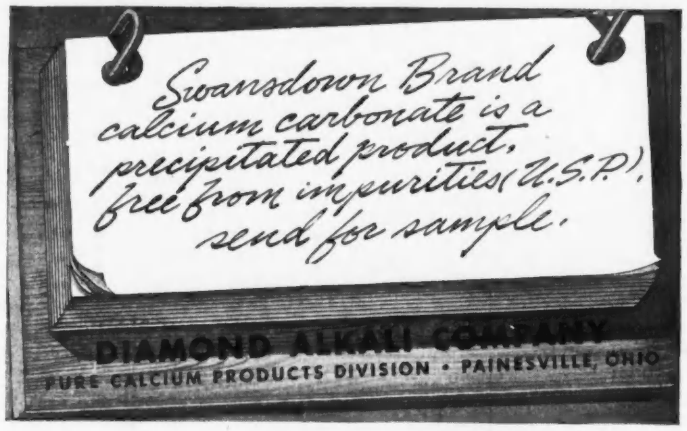
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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

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RECEIVED APR 29 1940 LIBRARY THE CHEMISTS' CLUB

Consumer Movement Opinions Aired

The consumer movement was looked at and talked about from several angles in a symposium of the Chemists' Club, this city, April 24. The movement, said Dr. Ruth Ayres, of the National Consumer-Retailer Council, was the outgrowth of a desire to learn how the woman buyer could select her purchases satisfactorily. The buyer needs information and must get it from some source.

Women, who do the most of the buying of consumer goods, realize their inability to appraise these properly, Dr. Ayres said, and the consumer movement should be regarded as a means toward the development of knowledge, and not as an emotional manifestation. Women's organizations are not antibusiness, she declared; but they feel that such agencies as better business bureaus have chiefly a negative value in that their functioning is punitive or corrective rather than informative.

Business is slowly awakening to the significance of the consumer movement, said Howard M. Cool, director of the Division of Consumer Interests of the National Better Business Bureau. Those who persist in regarding it as something communistic are ill informed, he continued, and he deplored the fact that many businessmen are so busy with their own narrow problems that they have no time to give consideration to the information and regulation desired by consumers.

Consumers, he felt, are justified in looking for more and better help from business. The latter errs in attempting to justify all advertising as good and in its endeavors to disseminate patent propaganda in the guise of education for the consumer. The wide variety existing in all lines of goods presents a big problem of choice, and the desirable thing is an endeavor to find what can be done to help the consumer in this respect. Success in such an endeavor, he said, required that business and the consumer meet on

—Continued on page 54

Bean Association Practices Stopped

Finding that certain price practices of the Michigan Bean Shippers Association were in restraint of competition, the Federal Trade Commission has issued a cease and desist order against the organization, its major officials, and seven jobbing companies which are members of the association.

The commission's order prohibits the respondents from establishing, making up or computing, or publishing or disseminating, through the association or any other central agency or otherwise, a price, bid quotation, or "close" for beans. This does not prohibit the collection and dissemination of prices paid or bids or quotations made in past and closed transactions, or of accurate reports showing the range of prices in such transactions.

The order also forbids the making of reports, or representation to the association or other central agency of inaccurate and incorrect prices or bids; the fixing and maintaining of the differentials, charges, or spreads to be made or received for the functions performed by elevator men or jobbers in handling beans or barley; fixing and maintaining the charges for separating and removing foreign materials from beans; adopting and maintaining any rule or regulation which tends to prevent the use of any machine, device, or method for cleaning, grading, and processing beans, unless the use thereof is injurious and detrimental to the welfare of the Michigan bean industry; and establishing and using a uniform contract embodying terms and conditions of sale for buying and selling beans.

N.Y. Puts Radio Under Ad Control

Albany, Apr. 22, 1940

Governor Lehman has approved the Goldstein bill (A. 797) amending the penal law with respect to advertising to bring commercial publicity by radio under the prohibition with respect to untrue, deceptive, or misleading statements. The act also requires that a radio advertiser file with the operator of a broadcasting station his true name and the name under which his business is operated.

The Goldstein act is chapter 639 of the laws of 1940. It will become effective September 1.

Norway-Japan Whale Oil Output Up 484,000 Bbls.

OPD Washington Bureau
April 25, 1940

Record whaling results are reported by the six Japanese Antarctic expeditions in the December 1939-March 1940 season, according to unofficial estimates received by radio by the Bureau of Foreign and Domestic Commerce, from the Tokio office.

The total Japanese catch is estimated at 9,600 whales, yielding 760,000 barrels of whale oil, compared with 7,501 whales and 483,714 barrels in the 1938-39 season. This is a 61 percent increase over the 1938-39 catch, which was the previous high production of Japan's Antarctic ventures inaugurated three years ago.

The bulk of Japan's 1938-39 whale oil production was sold to England, but the first sale from the current catch is 307,000 barrels reportedly sold to Germany. The remainder of Japan's whale oil production this year is believed to be still unsold. Less than 10 percent is usually retained for local consumption, as vegetable oil is preferred in that country and the whale oil is sold on world markets to provide exchange for the purchase of other products abroad.

As Norwegian production of an estimated 909,200 barrels compared with 721,721 barrels in the 1938-39 season, the combined Japanese-Norwegian catch of 1,689,000 barrels is 484,000 barrels in excess of the previous season. Germany's boats, which were not

—Continued on page 41

Pyrethrum Flower Picker May Spur U. S. Cultivation

OPD Washington Bureau
April 25, 1940

A mechanical harvester for pyrethrum flowers which may make possible the commercial production in the United States of this important insecticide material has been developed by the Department of Agriculture, and specifications for the machine will be released in the near future.

For several years attempts have been made to foster the production of pyrethrum in this country. It has been found that the plants grow well in many sections of the country and produce a satisfactory yield of pyrethrum powder or extract, but the cost of harvesting the flowers by hand as is done abroad has made the crop uneconomical. The new harvester is expected to reduce the cost of production to such a point that domestic interests may be encouraged to go into the pyrethrum business on a commercial scale.

The machine was developed jointly by the Bureau of Agricultural Engineering and the Bureau of Plant Industry under the direction of A. F. Sievers, senior biochemist of the division of drug and related plants. It is described as a combination of a cornbinder and a mechanical cotton-picker having revolving rolls which strip the pyrethrum plants of mature flowers. The stems remain in the field, so that the flowers are free from stems and trash and need no threshing or cleaning.

Tests Are Successful

The harvester is the work of several years of experimentation and has been tried successfully on experimen-

—Continued on page 46

Lenoir Co. Ordered To Cease Bribery

OPD Washington Bureau
April 25, 1940

The Lenoir Woodfinishing Company, Lenoir, N. C., and Arthur G. Spencer, individually and trading as the Lenoir Solvent Company, have been ordered by the Federal Trade Commission to cease and desist from unfair business practices in the payment of money and things of value to officials and employees of their customers, without the consent of the customers.

The Lenoir Company has been engaged since 1938 in the manufacture of paints, varnishes, stains, and various wood finishing products, and in their sale to woodfinishing concerns and furniture manufacturers. Prior to the time of incorporation of the company, Arthur G. Spencer, now its president and sales manager, was engaged in the manufacture and sale of similar wood finishing materials under the trade name, "Lenoir Solvent Company."

The commission found that in the conduct of their businesses the respondents had given substantial sums of money and other things of value to certain officials and employees of their customers or prospective customers, without the knowledge or consent of the customers, for the purpose of inducing the officials or employees to purchase or recommend the purchase of the respondents' product. In some instances, the findings declare, certain employees of customers were given 7 percent or 10 percent of the purchase price of all materials purchased from the respondents by such customers.

The respondents are ordered, in connection with the sale of their products, to cease and desist from giving sums of money and other things of value to officials and employees of the respondents' customers or prospective customers, without the knowledge or consent of the customers, for the purpose of inducing such purchases.

Drug-Cosmetic Colors Recommended Under Act

OPD Washington Bureau
April 24, 1940

The addition of two new drug and cosmetic colors to the list of certified coaltar dyes is recommended in a report to the Secretary of Agriculture today by Frank S. Hassell, who was the presiding official at hearings on proposals of the Food and Drug Administration to amend the color regulations.

The new colors are to be known as "D&C Green No. 8" and "D&C Red No. 39". The examiner found that evidence presented at the hearing showed that these colors had been tested on white rats and found to be harmless for drug and cosmetic purposes.

It is also recommended that the title of the regulations be changed to "Coaltar Color Regulations" instead of the more cumbersome title formerly used. Interested parties have ten days in which to file objections, after which it is expected that the changes will be promulgated by the secretary.

Specifications for the two new colors are as follows:—

D&C green No. 8—Trisodium salt of 10-hydroxy-3:5:8-pyrenetrisulphonic acid; volatile matter (at 135°C.), not more than 15 percent; water-insoluble matter, not more than 0.5 percent; chloroform extract, not more than 0.5 percent; pyrene, not more than 0.2 percent; chlorides and sulphates of sodium, not more than 20 percent; mixed oxides, not more than 1 percent; pure dye (as calculated from organically combined sulphur), not less than 65 percent.

D&C red No. 39—Ortho[para(beta-beta - dihydroxydiethylamino)phenylazo] benzoic acid; volatile matter (at 100° C.), not more than 2 percent; matter insoluble in acetone, not more than 1.5 percent; ether extract (petroleum ether), not more than 0.5 percent; N-N-(beta-beta- dihydroxydiethyl)anilin, not more than 0.2 percent; sulphated ash, not more than 1.5 percent; pure dye (as determined by titration with titanium trichloride), not less than 95 percent.

Legality of Association Activities

Definitions Made by Department of Justice in Consent Decree Submitted in Antitrust Law Action Against the National Containers Association

The previously announced policy of the department is that it will accept a decree without litigation only when it is voluntarily proposed by the defendants and when it offers stronger safeguards to protect the public interest in free competition than can be obtained by successful prosecution. In the opinion of the department, the decree in this case meets these requirements.

Neither by conducting the investigation which resulted in the indictment in this case nor by acquiescing in this decree does the department intend any condemnation of legitimate trade association activities. The primary result of this decree is the elimination of certain practices which appear to contravene the Federal antitrust laws. An objective of secondary importance is the clarification of the department's antitrust law enforcement policy in respect to trade associations. In addition to the practices enjoined as contravening the Federal antitrust laws, the decree defines a number of trade association activities, and in particular those relating to the gathering and dissemination of trade statistics which do not appear to be questionable under the Federal antitrust laws. Therefore, it should be of assistance in enabling trade associations to define the area for lawful action.

By this decree the defendants offer to refrain not only from the general price fixing and production restriction charged in the indictment, but also propose to eliminate from the activities of their association a number of specified practices which the indictment charges go beyond the sphere of legitimate trade association activities in violation of the Federal antitrust laws. The decree enjoins and restrains the defendants, their successors, members, directors, officers, agents, and employees, and all persons acting under, through, or for them,

—Continued on page 54

Closing Markets

London Closing Cable

LONDON, April 26, 1940

Quotations on carnauba wax were 380s per hundredweight.

Tin Salts Firm

Prices for various tin derivatives held firm late in the week. Straits tin reached its high for the week, but closed at 47½c. per pound, unchanged from the previous day.

Cottonseed Oil Easier

Refined cottonseed oil was easier Friday. Lard was weaker and local and other longs liquidated. July closed at 7.02c. and September 7.09c., showing a decline of 16 to 18 points as compared with the final prices of the previous Friday. Southern markets for cottonseed products were quiet.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Insecticides: — The following products, formerly dutiable at various rates, have been exempted from import duty in Tunisia and separate tariff classifications have been established:—Ammonium chloride, insecticides with a base of nicotine; arsenates of lead and of alumina; oxychloride of copper, cuprous and cupric chlorides; urea; insecticides, herbicides and fungicides with a base other than of copper. On the last-mentioned articles, having a base of pyrethrum, the duty remains unchanged at 5 percent ad valorem.

New Zealand Imports:—Import restrictions have been continued for the last half of 1940 on the same basis as the first half of the year, with the exception of sulphur, for which application to import will be considered on the basis of New Zealand's requirements.

Paints:—Bohemia and Moravia protectorate has limited price increased on paints, pigments and allied products to 10 percent. Base prices applying to the three groups were those in effect on June 30, 1939.

Radiator Chemicals: — Antifreezing compounds, rust-proofing and flushing chemicals, may not be sold in Bohemia and Moravia unless they have been officially tested and approved by the Technological Trade Museum of the Chamber of Commerce, Prague.

Samples: — Importation into New Zealand of sample of goods, importation of which is otherwise prohibited, will be permitted only if such samples do requirement payment in foreign exchange.

Soap:—Monopoly fee has been established for soaps imported in Netherlands. The fee varies with the fat, oil or fatty acid content.

Sulphur: — United Kingdom has made subject to prior license imports of all forms of sulphur, together with mixtures containing more than 80 percent by weight of elemental sulphur, pyrites of all kinds and mineral phosphates of lime.

Monsanto to Make Drugs in Australia

St. Louis, Apr. 23, 1940

The Monsanto Chemical Company plans an expansion of the activities in Australia. Establishment of facilities at Melbourne, Australia, for the manufacture of aspirin, acetanilide, acetophenetidin, sodium salicylate, salicylic acid and other products will be started at once. These Monsanto pharmaceutical products heretofore have been produced mainly in the United States.

Veterinary Medicines Wanted in South Africa

The Director of Veterinary Service, Onderstepoort, Union of South Africa, desires information on supplies from the United States of biological preparations, medicines, and disinfectants for veterinary use. He asks that manufacturers of such products send him catalogs and price lists and inform him of the names and addresses of their agents or other distributors in the Union of South Africa.

Chemical Prices Higher

The ascending tendency was still predominant among prices for heavy and fine chemicals last week. Foreign and domestic influences were both in evidence. The changes in both directions were widely applied.

Demand was spotty, in keeping with irregularity and uncertainty in consuming circles. Export inquiries were fewer but more attractive. The weather was a seasonal deterrent.

Prices were advanced on imported silicofluoride of soda, Straits tin, stannous chloride, tin crystals, stannate of soda, refined naphthalene, codliver oil, sulphonated castor oil, sulphonated olive oil, sulphonated tallow, Argentine casein, J1 and J2 myrobalans, valonia cups, imported steamed bone, menhaden scrap, Japanese sardine meal, and tankage.

Prices were reduced on oxide of antimony, electrolytic copper, gum rosin, gum turpentine, some copals, African wattle bark, and imported dried blood.

The REPORTER'S composite index number of prices for heavy and fine chemicals was boosted to 128.9 (100 = average at August 1, 1914), again touching this year's highest mark. In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 91.2, compared with 89.0 at this time last year and 89.4 in 1938.

Contents of This Issue

News and Statistics

Activated Earths Duty Study Dropped 41
Asphalt Deposits Purchase Urged... 57
Aluminum Salts Output Up..... 58
Agricultural Serums Licensing Urged 54
Adipic Acid Offered by duPont.... 46
Atlantic Refining Co. Honored..... 52

Bean Association Curbed..... 3
Battelle & Remwick Mark Anniversary 31
Balto. Paint Club Meets..... 36
Benzol Plant Planned in Phila..... 32
Battelle & Renwick Mark Anniversary 31
Butler Nominated Head of Buffalo Paint Club 57

Crude Oil Daily Output Up..... 51
Conewango Refining to Close..... 52
Chain Tax Bill Opposed..... 5
Consumers Movement Aired..... 3
Chemical Salesmen to Meet..... 32
Coaltar Oil Freights Off..... 32
Chemists Sought for Farm Research 58
Credit Men to Convene..... 57
Chemists Inst. to Honor Egloff..... 4

Drug Colors Recommended..... 3
Drug Store Sales Up..... 44
Drug Trademark List Extended... 57
Drug Interests Pledge Stabilization. 4

Eagle-Picher Promotes Hense..... 57

F.D.A. Transfer Lessens..... 5
F.P.V.P.C. Head Addresses Cleve. Club 57
Food Progress Reviewed..... 57

G.E. Plans Plastic Plant..... 35

Hercules Earnings Gain..... 29
Hance Bros. & White Mark Anniversary 46

Insecticide Price List Issued..... 31

Japan Eases Chemical Trade..... 58

Legality of Association Activities... 3
Lenoir Co. Cited by F.T.C. 3
Lead Output Up 36

McK. & R. Earnings Up..... 46
Magnesium Sales Up..... 46
Molasses Takes Class Rates..... 46
Molybdenum Shipments Gained..... 54
Monsanto Plans Australia Plant.... 4

Norway-Japan Whale Oil Output Up 3
N.Y. Controls Radio Ads..... 3
N.Y. Labor Act Amended..... 5
Nickel Alloys Guide Issued..... 29

Pyrethrum Picker Developed..... 3
Pharmacy Groups to Meet..... 5
Pitcairn Heads Southern Alkali.... 5
Petroleum Import Quotas Filled.... 52
Petroleum Charter Rates Studied.. 57

Remington Medal Awarded to Swain 46

Slayter Named Medalist..... 5
Soybean Standards Favored..... 5
Soda Silicate Freight Down..... 31
Safety Lantern Offered..... 31
Soda Silicate Freight Down..... 31
School Furniture Color Reaffirmed. 36
Stroock & Wittenberg Named Hess Agent 36
Sondern Heads A.P.M.A. Research. 57
Sesame Tax Clarified..... 41
Spiegel & Peiffer to Sell Oils..... 41

Technology Study Nears End..... 5

U.S.P. Convention Program Arranged 4
U.S.I. Sales Up..... 46
U. S. Tung Progress Described..... 36

Vegetable Oil Situation in U.S..... 5
Vinyl Resin Series Offered..... 57
Veterinary Medicines Wanted..... 4

Wool-Like Nylon Patented..... 29
Wesco Waterpaints Opens New Plant 38
Western N.Y. Prod. Club Meets 36

General Features

Advertisers Index..... 59
Bids Wanted 41
Chemical Price Trends..... 4
Classified Advertisements..... 58
Closing Market Developments... 4
Contracts Awarded 41
Corporation Earnings 57
Dividends Declared..... —
Editorials 24
Foreign Trade Openings..... 56
Foreign Trade Rules.....4, 37
Industrial Uses of Chemicals..... 50
Obituaries 54
Petroleum Market Status..... 51
Petroleum Production..... 51
Prices Current..... 7
Scientific, Professional Services.. 52
Trade News Briefs.....28, 35, 41, 57
What You Can Use..... 32
Where You Can Sell..... 50

Market Reports

Botanical Drugs, Spices, Gums... 47
Coaltar Chemicals 30
Drugs and Fine Chemicals..... 43
Dyestuffs, Textile and Leather Chemicals 29
Essential Oils and Aromatics.... 49
Fertilizer Materials..... 53
Heavy Chemicals..... 26
Oils, Fats and Waxes..... 39
Paint, Varnish and Lacquer Materials 33
Petroleum Solvents, Lubricants, and Fuels..... 51

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 56
Exports 56
Imports 55
Imports Detained..... 56

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U.S.P. Convention Program Arranged

The business of the thirteenth decennial meeting of the United States Pharmacopeial Convention will be opened at 9:30 a.m., May 14, in the Willard hotel, Washington. Two sessions are scheduled, the second to open at 9:30 a.m. May 15. Each session will be carried through the day in an endeavor to complete the scheduled business, and if additional time be required, the meeting will be continued May 16.

The program schedule, subject to additions and revisions, is as follows:—

First Session, May 14

Opening of the convention by the president, Walter A. Bastedo, M.D.
Roll call as supplied by the committee on credentials.
Approval by the convention of the list of Delegates.
Introduction of visiting foreign delegates.
The president's address, Walter A. Bastedo, M.D.
Review of pharmacopeial affiliations—
"The Relation of the Pharmacopeia to the Medical Profession," Dr. Morris Fishbein.
"The Relation of the Pharmacopeia to the Pharmaceutical Profession," Dr. E. F. Kelly.
"The Relation of the Pharmacopeia to the Food and Drug Administration," W. G. Campbell.

—Continued on page 57

Drug Interests Pledge Better Relations

Chicago, Apr. 22, 1940

Continued effort to stabilize their relationships was pledged by drug manufacturers and wholesalers in a series of separate and joint informal meetings in the Palmer House late last week. This purpose, especially in the sense of price-stabilization and with reference to functional discounts for the wholesaler, was stated in the meeting of the board of control of the National Wholesale Druggists Association, elaborated in the separate meetings of the manufacturers and service wholesalers, and finally discussed by individuals on both sides at the closing joint session, beneath banners bearing toasts of cooperation which had served as decorations for a cocktail party for approximately 450. No resolutions were passed and no concrete action taken, however, since the meetings were purely exploratory.

Following the showing of a sound film of the Chamber of Commerce of the United States, "Free Men Build a Nation," and an address on salesmanship training by Dr. Fred A. Russell, of the University of Illinois, Dr. E. L. Newcomb, secretary of the wholesale association, outlined steps that had been taken by wholesalers and retailers to promote a continuous flow of products to the consuming public, and he recommended that similar steps be taken for the benefit of manufacturers and wholesalers. He admitted that stabilized relations exact a cost of their own, expressed in somewhat lower profit, but declared that the result was remuneration for many serv-

—Continued on page 45

Chemists' Institute Names Dr. Egloff for '40 Medal

The medal of the American Institute of Chemists, presented annually for outstanding service to the science of chemistry, has been awarded this year to Dr. Gustav Egloff, director of research for the Universal Oil Products Company, Chicago. The medal will be presented to Dr. Egloff at the annual meeting of the institute to be held at Atlantic City, N. J., May 18, 1940.

Dr. Egloff received his B.A. degree from Cornell University followed by the M.A. degree from Columbia University, when he became Barnard Research Fellow and assistant curator of the Chandler Museum at Columbia University. After obtaining the Ph.D. degree from Columbia, he was employed by the United States Bureau of Mines and the Aetna Chemical Company. In 1917 he left to become director of research for Universal Oil Products Company in Chicago, Illinois, the position which he still holds.

F.D.A. Transfer Assurance Lessens

OPD Washington Bureau
April 25, 1940

Transfer of the Food and Drug Administration to the Federal Security Agency appeared more doubtful this week as congressional opposition grew to that part of the reorganization order transferring the Civil Aeronautics Authority to the Department of Commerce.

The latest development was the announced opposition of Representative Clarence F. Lea of California, who introduced a resolution to disapprove reorganization plan IV. This plan covers both the C.A.A. and the F.D.A. transfers, as well as a number of other changes in bureau organization. Representative Lea is chairman of the house committee on interstate and foreign commerce and is generally regarded as an administration supporter and as wielding much influence in the house. He was coauthor of the civil aeronautics act of 1938 which removed supervision of air transport from the Department of Commerce and created the Civil Aeronautics Authority. Mr. Lea was also one of the framers of the food, drug, and cosmetic act, but he is basing his opposition to the reorganization plan on the C.A.A. transfer. He issued a four-page statement dealing entirely with the Civil Aeronautics Authority in which he said:—

It appears to me that the house members do not approve of the change that is proposed, and that the house should properly express its disapproval, and thus save aviation from the uncertainties and menace of the results that may follow such a plan of reorganization.

The Lea resolution was referred to the house committee on reorganization which has not yet decided whether or not to hold hearings. A similar resolution disapproving plan IV has been introduced in the senate by Senator Pat McCarran of Nevada, but the senate reorganization committee will not consider this resolution until

—*Continued on page* 45

Soybean Standards Favored in Congress

OPD Washington Bureau
April 25, 1940

A bill (H.R. 7696) to place soybeans under the grain standards act so that the Department of Agriculture will have power to fix standards of quality and condition for soybeans has been favorably reported by the house committee on agriculture.

In reporting the bill, the committee quoted from a letter from Henry A. Wallace, Secretary of Agriculture, stating that there has been considerable demand for official standards for soybeans but that there is doubt soybeans can be placed under the grain standards act as it is now worded, because the statute refers only to grains. In this letter the secretary estimated that it would require an additional appropriation of $42,475 to inaugurate the inspection service on soybeans under the grain standards act and to administer it efficiently.

J. D. Craig, assistant to the president of Spencer Kellogg & Sons, Inc., Buffalo, sent a communication to Senator James M. Mead urging him to support passage of the bill to provide standards for soybeans. Mr. Craig wrote that the bill was vital to Buffalo industry, pointing out that soybeans processed for commercial uses are used largely by his company. Revision of the grading act, he said, would be of material aid to the bean-crushing industry.

A.D.M.A. Presidential Specials Offered

A "pertinent and interesting" "movie short," "On to Jupiter," will be shown to A.D.M.A. conventioners at 8:15 p.m., May 5, through the courtesy and energy of S. DeWitt Clough, president of the association. It has to do with research.

Mr. Clough has also provided a president's trophy in golf. This will be awarded for low net score, the winner to hold the trophy for one year and permanent possession to be acquired by the winning of two legs.

This year's golf tournament will offer, in addition to the president's trophy, prizes for low gross and low net scores for members; three prizes in each of seven flights for members; three prizes for guests; and four prizes for special achievements.

The twenty-ninth annual meeting of the American Drug Manufacturers Association will be held May 6 to 9 in the Greenbrier hotel, White Sulphur Springs, W. Va.

G. Slayter Named Longstreth Medalist

Philadelphia, Apr. 24, 1940

Games Slayter, vice-president in charge of research and development for the Owens-Corning Fiberglass Corporation, Toledo, Ohio, has been awarded an Edward Longstreth Medal by the Franklin Institute, Philadelphia. Dr. Slayter will receive the award, given "in recognition of meritorious work in science and the industrial arts," on May 15.

Mr. Slayter is the inventor of the process for transforming glass into fibers. At least eight principal United States patents in the "fiberglass" field have been issued in his name. Mr. Slayter is one of the five scientists who will receive the Longstreth award from the Franklin Institute May 15.

Pharmaceutical Groups Meet May 4 to 11

The American Pharmaceutical Association and related organizations will hold annual meetings May 4 to 11 in Richmond, Va. They will have their headquarters in the Hotel Jefferson.

The first to meet will be the American Council on Pharmaceutical Education, which has sessions scheduled for the forenoon and the afternoon of May 4. The council of the American Pharmaceutical Association will start meeting the forenoon of May 5 and will hold subsequent sessions the afternoons of that day, of May 8 and May 11.

The American Association of Colleges of Pharmacy will start its meeting May 6 with a session of the executive committee in the forenoon. Separate conferences of various teaching groups will be held during the same period. The association will hold its first general session the afternoon of May 6 and subsequent sessions that evening and the next afternoon.

The National Association of Boards of Pharmacy will also start its meet-

—*Continued on page 46*

Pitcairn Made President Of Southern Alkali Corp.

Pittsburgh, Apr. 25, 1940

Harold F. Pitcairn has been elected president of the Southern Alkali Corporation, subsidiary of the Pittsburgh Plate Glass Company, succeeding Hugh A. Galt, who retired recently.

Mr. Pitcairn is a director of Pittsburgh Plate Glass, president of the

Harold F. Pitcairn

Autogiro Company of America, and proprietor of the Pitcairn Autogiro Company. He has been associated with Pittsburgh Plate Glass Company for many years, first serving in its efficiency department in 1919.

He was born in Bryn Athyn, near Philadelphia, in 1897. He became interested in aviation at an early age and was a flying instructor at Curtiss School, Buffalo, in 1915. He served in the Army Air Corps during the World War and in 1925 began building airplanes. In 1927 Mr. Pitcairn inaugurated and operated an air mail line from New York to Atlanta. He sold his line in 1929 and formed the Autogiro Company of America.

N.Y. Labor Relations Act Amended

Albany, Apr. 23, 1940

Governor Lehman has approved the Ives bill (A 1369) amending the State labor relations act in respect of collective bargaining by substituting a new opening section.

The amendment, approved as chapter 689 of the laws of 1940, provides that in the interpretation and application of the labor relations act, it shall be the policy of the State to encourage practices and procedure of collective bargaining and to protect employees in the exercise of full freedom of association, self-organization, and designation of representatives of their own choosing, free from interference, restraint, or coercion by their employers.

Technology Study Approaches End

OPD Washington Bureau
April 26, 1940

Agriculture and education, with some more contributions by labor, occupied the greater part of the hearing by the Temporary National Economic Committee in its fourth, and probably final, week. The testimony developed various new angles of the effects of technologic developments on employment.

Admitting that farm machinery has displaced labor, Fowler McCormick, vice-president of the International Harvester Company, declared that machines are indispensable if any fair balance is to be maintined between the farm worker and the factory worker. The four major effects of the use of farm machinery, he pointed out, include the assurance of a food supply and freedom from famine, the release of farmers to work in factories, relief from drudgery and the shortening of hours of labor on the farm, and the bringing of more profit to the farmers. Mr. McCormick said there is still a demand for satisfactory mechanical cotton pickers, sugarcane harvesters, corn combines, and sugarbeet machines.

Officials from the Department of Agriculture told the committee that technological improvements will continue to create unemployment among farmers. They showed that 32,000,000 persons in 1939 who lived on farms supplied the needs of 50 to 70 percent more urban dwellers than the same number of farmers supplied thirty years ago.

The early part of the week the committee rounded out its studies of technology in manufacturing industry with testimony in the textile field. Claiming that better machinery has proved a boon to workers and to the consuming public, G. H. Conze, president of the Susquehanna Silk Mills, pointed ominously to the death of the silk industry and the rise of new products like rayon and nylon. Emil Rieve, president of the Textile Workers Union, asked for a broader program of collective bargaining and Federal activity to reduce the shock of unemployment brought about by technological changes.

Commenting on the social and economic effects of the displacement of agricultural labor, Prof. Paul S. Tay-

—*Continued on page 57*

Chain-Store Tax Bill Gets More Opposition

OPD Washington Bureau
April 25, 1940

The Patman chain-store tax bill was denounced by consumers, industrialists, farmers, business men, and labor leaders before a house subcommittee as the hearings approached their sixth week. Opponents of the bill intend to be heard for several more weeks, and it is felt that the bill stands little chance of being reported out by the committee.

Dr. Claudius T. Murchison, president of the Cotton-Textile Institute, declared chain stores have been invaluable in promoting the sale of cotton. Enactment of the bill would be a calamity, he said, to cotton growers, the textile industry, and consumers of cottoin goods.

Pointing out chains use about 25 percent of the total production of edible peanuts, Roy E. Parrish, manager for the Georgia-Florida-Alabama Peanut Association, said the bill would result in demoralization and costly loss of distributing channels and marketing outlets for producers. Chains are needed now more than ever, he testified, in the sale of peanut surpluses.

Witnesses included Fred Brinckman, of the National Grange; Ezra T. Benson, secretary of the National Council of Farmer Cooperatives; Harry J. Gerrity, counsel of the National Association of Building Owners and Managers; Dr. Caroline F. Ware, of the American Association of University Women; and John B. Haggerty, of the International Allied Printing Trades Association.

Because of the many witnesses who remain to be heard, the committee announced testimony will be limited to ten minutes each after May 2.

Vegetable Oil Situation In the United States

By Otto Eisenschiml
President, Scientific Oil Compounding Company

Paper read March 28, 1940, before the Sixth Annual Chemurgic Conference of Agriculture, Industry, and Science in Chicago

The situation of vegetable oils in the United States is not a satisfactory one and has not been for many years past. We have too much of some oils and not enough of others, and there seems but little rhyme or reason in our existing order of things. Our domestic oil production is a haphazard affair, and our tariff structure a veritable hodgepodge of makeshifts and inconsistencies.

Among drying oils, linseed oil, the old standby of the paint, varnish, linoleum, and allied industries, has not been produced domestically in sufficient quantities for longer than anyone cares to remember. During the first decade of this century the United States was exporting flaxseed in substantial quantities, and there was an abundance of supplies for domestic use. From then on our production has declined, and we have become more and more dependent on imports, largely from Argentina.

Flaxseed

	Bushels	
	Domestic production.	Imports.
1915	11,270,000	14,697,000
1916	11,829,000	13,098,000
1917	8,402,000	9,394,000
1918	12,779,000	12,974,000
1919	6,770,000	14,036,000
1920	10,900,000	24,641,000
1921	8,107,000	12,326,000
1922	10,520,000	14,913,000
1923	16,563,000	24,332,000
1924	31,220,000	16,589,000
1925	22,334,000	16,510,000
1926	18,531,000	22,550,000
1927	25,174,000	21,821,000
1928	19,118,000	17,579,000
1929	15,924,000	24,243,000
1930	21,673,000	12,662,000
1931	11,755,000	14,480,000
1932	11,511,000	7,919,000
1933	6,904,000	13,825,000
1934	5,661,000	14,170,000
1935	14,520,000	17,560,000
1936	5,273,000	15,365,000
1937	7,089,000	28,632,000
1938	8,171,000	15,364,000
1939	20,330,000	16,028,000
Average for 25 years	13,693,000	16,604,000

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RECEIVED APR 29 1940 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

April 26, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoactanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- — l.c.l., dms., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib, dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse..ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld., ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —

USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¾- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10-000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09½
Cottonseed oil, dist., dms....lb. .08½- .09
tanks .....lb. .08 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equid..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms....gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S..gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys, f.o.b. works, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1 ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib, dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys.....lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys, works.....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12½- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½

Acid, lactic, USP, XI, 85%, cbys, lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .13½- .14
Laurent's, bbls.....lb. .47 —
Linseed oil, dark, dms.....lb. .12½- .13
light, dms.....lb. .13¼- .13¾
extra white, dist., dms...lb. .14¼- .14¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18¼- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., dms., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min., dms., c.l., works..lb. .09 Nom.
l.c.l., dms., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240, dms., c.l., works.....lb. .10 Nom.
l.c.l., dms., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works.....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works.....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works.....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works.....100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07 - .07½
tanks .....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd.lb. .10 - .11
triple pressed, bgs., dlvd.lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls..... .lb. .75 - —

Acacia—Alcohol

Acid, sulphanilic, CP, bots., works, lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works...ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. cans..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .56 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .37¼- —
smaller quantities.....lb. .37¾- —
kgs. .....lb. .38¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .28 - .36
Root, bls.....lb. .36 - .38
Aconitine, amorph., bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.00 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar, 1, bls.....lb. 1.45 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .53 - .59
dom., powd., dms., bbls..lb. .58 - .64
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, l.c.l., dms., wks...lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per gal. less.
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD-2B., dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Ammonia Oleate

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works..gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 4.55 - —
19 bbls.....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms.....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms.....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., 33,000 lbs., works. lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Alcohol, isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest.gal. .65 - —
55 gal., c.l., same basis. gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis. gal. .65 - —
55 gal., c.l., same basis. gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.25
Propyl, normal, dms., works. gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y... lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works. lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .28 - .29
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .44 - .45
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .41 - .42
peeled, bls.....lb. .43 - .44
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works...100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .39 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 - 26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04¼- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher,
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.25 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —

MoO_3

The two lowest cost raw materials for the production of all Molybdenum compounds, including Molybdated pigment colors, are:

PURE MOLYBDENUM TRIOXIDE
AND TECHNICAL MOLYBDENUM TRIOXIDE

Our development department will gladly take up with you any problems involving the application of Molybdenum

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500 Fifth Avenue · New York City

MOLY

Ammonia, oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs.....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l.....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l.....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .11¼- .12
Stearate, anhydrous.....lb. .24½- —
paste.....lb. .06¼- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton.28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l.....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09¼- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .25 - .26
import, natural, bls.....lb. .70 - .75
twisted, bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l.....lb. .16 - —
tanks.....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Cyprus, bgs.....lb. .15 - .15½
Mexican, bgs.....lb. .13 - .13½
Spanish, bgs.....lb. .26 - .27
Star, bgs.....lb. .15 - .15½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. .11 - .14
l.c.l.....lb. .14½- —
Salt, 65%, kgs.....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 5.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09¼
bbls.....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars.....lb. 5.43 - —
Red, import, cs.....lb. .17½- .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l.....lb. .03¾- —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l, f.o.b. N. Y.....ton.90.00 - —
Asphaltum, Cuban, B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points., ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.09 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.55.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
bbls., c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .20 - .25
Chloride, CP, cryst., bbls....lb. .25 - —
kgs.....lb. .27 - —
Chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line...ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, dms., c.l., ungrd., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½-. .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l. St. Louis..ton.25.15 - —
l.c.l., same basis...ton.26.15 - —
paper bags, c.l., St. Louis..ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.l.f.....ton.11.00 - —
German, grd., bbls., c.l. dock, t.a. ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l. ex dock, t.a...ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 Nom.
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .30 - .35
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works ton.16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
export .....gal. .17 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.08
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.88
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3 bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08¾- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b plants..lb. .0280- —
f.o.b. North Atlantic ports, lb. .03675- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .0265- —
f.o.b. North Atlantic ports, lb. .03525- —
l.c.l., compressed, bgs. or cartons, f.o.b. whse....lb. .06¼- —
dlvd..lb. .06¼- —
uncompressed, bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars., c.l., f.o.b. plants, lb. .02½- —
f.o.b. New York harbor..lb. .0338- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y....lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y...lb. .06¼- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -80.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.85 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.85 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.90 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Ammonia Oxalate—Brown

Blue, bronze, bbls., same basis, alkali toner, contracts..lb. .88 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27

Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —

Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 - —
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .20 - .25
phos., bgs., c.i.f. ports..ton.36.00 - —
Borax, tech., 99½% gran., bulk, c.l., frt. all..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —

USP, $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bags., c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06¼- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, l.c.l., Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04¼- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
ex whse., Kansas City.. lb. .05¼- —

Brown, Umber—Cyclohex.

Brown, umber, Turkey, bbls., l.c.l., Los Angeles, Portland, San Francisco, Seattle	lb.	.04¾ -	—
Minneapolis	lb.	.05½-	—
Pittsburgh	lb.	.04¾-	—
Vandyke, bbls., l.c.l.	lb.	No prices	
Walnut crystals, bbls.	lb.	.06½-	—
Brucine, 100 oz., cns.	oz.	.15 -	—
Sulphate, 100 oz., cns.	oz.	.12 -	—
Bryonia root, bls.	lb.	.15 -	.16
Buchu leaves, bls.	lb.	.75 -	.80
Buckthorn bark, true, bls.	lb.	.25 -	.30
cut and sifted, bbls.	lb.	.28 -	.33
Berries, bgs.	lb.	.25 -	.30
Burdock root, bls.	lb.	.14 -	.15
Burgundy pitch, dom., dms.	lb.	.05½-	.06
Butane, coml., 16-34°, tanks, group 3	gal.	.02½-	.03
Butternut bark, bls.	lb.	.07 -	.08
Butyl acetate, norm., cns., wks.	lb.	.14½-	.16½
dms., c.l., frt. alld.	lb.	.10 -	—
l.c.l., frt. alld.	lb.	.10½-	—
tanks, frt. alld.	lb.	.09 -	—
tankwagons, frt. alld.	lb.	.09½-	—
contract prices 1c. per gal. less.			
secondary, dms., c.l., frt. pd. E. of Miss. R.	lb.	.07½-	—
dms., l.c.l., same terms	lb.	.08 -	—
tanks, same terms	lb.	.06½-	—
Alcohol (see Alcohol):—			
Aldehyde, dms., c.l., works	lb.	.15½-	—
l.c.l., works	lb.	.16½-	.17¼
tanks, works	lb.	.14½-	—
Carbitol (see Carbinol).			
Chloride, normal, dms., c.l., works	lb.	.20 -	—
l.c.l.	lb.	.23 -	—
Crotonate, normal, 55-gal. dms., dlvd.	lb.	.35 -	—
5-gal. cns.	lb.	.75 -	—
1-gal. cns.	lb.	1.00 -	—
Ether (see under Ether).			
Lactate, dms.	lb.	.23½-	—
Propionate, dms., dlvd.	lb.	.16½-	.17
tanks	lb.	.15½-	—
Stearate, dms.	lb.	.28½-	—
Butyric ether, bots.	gal.	6.60 -	6.95
cns, works	lb.	.65 -	.70
dms., frt. alld. Met. N. Y.	lb.	.60 -	—

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more	lb.	1.56 -	—
single jars	lb.	1.61 -	—
5-lb. bots	lb.	1.75 -	—
Iodide, 5-lb. bots	lb.	4.19 -	—
25-lb. cns	lb.	4.05 -	—
Lithopone (see Yellow).			
Metal, pat., shapes, cs.	lb.	.85 -	—
ingots or sticks	lb.	.80 -	—
Red (see Red).			
Selenide (see Red).			
Sulphide (see Yellow).			
Caffeine, 100-lb. dms., 10,000 lbs. or more	lb.	2.20 -	—
2,000 lbs. or more	lb.	2.25 -	—
1,000 lbs. or more	lb.	2.30 -	—
100 lbs.	lb.	2.35 -	—
25-lb. dms., 10,000 lbs. or more	lb.	2.23 -	—
2,000 lbs. or more	lb.	2.28 -	—
1,000 lbs. or more	lb.	2.33 -	—
100 lbs.	lb.	2.43 -	—
25 lbs.	lb.	2.55 -	—
10-lb. cans, 10,000 lbs. or more	lb.	2.25 -	—
2,000 lbs. or more	lb.	2.30 -	—
1,000 lbs. or more	lb.	2.35 -	—
100 lbs.	lb.	2.40 -	—
less than 100 lbs	lb.	2.75 -	—
5-lb. cans, 25 lbs. or more	lb.	2.70 -	—
less than 25 lbs	lb.	2.85 -	—
Citrated, cns.	lb.	1.80 -	2.10
Hydrobromine, bots.	lb.	4.91 -	4.99
Calabar beans, bgs.	lb.	.27 -	.28
Calamus root, peeled, N.F., cs.	lb.	.28 -	.30
bleached, bls.	lb.	.90 -	.95
Calcium acetate, bgs., dlvd., 100 lbs.	lb.	1.90 -	—
Arsenate, bgs., c.l.	lb.	.06 -	.06½
l.c.l.	lb.	.06½-	.06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.			
Bromide, 100 lbs., works, frt. equaled	lb.	.70 -	—
50 lbs., works	lb.	.72 -	—
25 lbs., works	lb.	.75 -	—
Carbide, dms., c.l., dlvd. 100 lbs. l.c.l., f.o.b. warehouse		4.75 -	—
100 lbs.		4.85 -	—
Carbonate (see Chalk and Whiting).			
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd.	ton.	22.00	-35.00
l.c.l., 1 ton or over, dlvd., 100 lbs.		1.70 -	2.35
liquer, basis 40%, tanks, works	ton.	7.50 -	—
solid, dom., 73-75%, bgs., dms., c.l., dlvd.	ton.	20.00	-33.00
l.c.l., 1 ton or over, dlvd., 100 lbs.		1.60 -	2.20
Gluconate, USP, gran., powd., 150-lb. bbls.	lb.	.50 -	—
dms.	lb.	.55 -	.57
cns.	lb.	.68 -	.85
Glycerophosphate, fib., dms., 1,000-lb. lots	lb.	1.10 -	—
smaller lots	lb.	1.25 -	—
cns., 25 lbs.	lb.	1.50 -	—
Hypophosphite, cns.	lb.	.62 -	.67
Iodide, bots., jars	lb.	4.04 -	4.19
Lactate, USP, bbls., 200 lbs.	lb.	.23 -	—
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports	ton.	No prices	
Palmitate, bbls.	lb.	.22 -	.24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f., Atlantic ports, shipt.	unit-ton.	No prices	
tribasic, c.l., bbls., works.	lb.	.0635-	—
l.c.l., bbls.	lb.	.0705-	—
Resinate, precip., bbls., 1 ton, lb.	lb.	.13 -	—
smaller lots	lb.	.14 -	—
Stearate, precip., bbls., cns., c.l.	lb.	.20½-	—
l.c.l., 1 ton	lb.	.22½-	—
Sulphate (see Gypsum).			
Sulphide, 70%, CaS., bgs., c.l., works	ton.	46.00	—
60%, CaS., bgs., c.l., wks.	ton.	51.00	—
luminous, dom., tins, works, 100 lbs.	lb.	1.25 -	—
Sulphocarbolate, bbls., 200 lbs., kgs., 100 lbs.	lb.	.47 -	.48
	lb.	.50 -	—
Calendula flowers, bls.	lb.	.35 -	.40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more	lb.	2.70 -	—
Camphor, natural, powd., cs.	lb.	.85 -	.86
slabs, cs.	lb.	.85 -	.86
tablets, tins	lb.	.90 -	.91
Camphor, synth., dom., tech., bbls., contract, 2,000 lbs. or more, works	lb.	.86 -	—
smaller lots, works	lb.	.41 -	—
USP, or import., gran. powd., bbls., 2,000-lb. lots	lb.	.60 -	—
1,000-lb. lots	lb.	.61 -	—
smaller lots	lb.	.62 -	—
tablets, 2,000-lb. lots	lb.	.73 -	—
1,000-lb. lots	lb.	.74 -	—
smaller lots	lb.	.75 -	—
Monobromate, bxs., kgs.	lb.	2.00 -	2.05
Canada balsam (see Fir balsam).			
Canary seed, Argentina, bgs.	lb.	.03⅝-	.03¾
Morocco, bgs.	lb.	.03¼-	.04¼
Turkish, bgs.	lb.	.03¼-	.03½
Canella alba bark, bls.	lb.	.45 -	.50
Cantharides, Chinese, cs.	lb.	.90 -	.95
powd., bxs.	lb.	1.05 -	1.10
Russian, cs.	lb.	2.25 -	2.30
powd., bxs.	lb.	2.50 -	2.55
Capsicum (see Pepper, red).			
Caraway seed, Dutch, bgs.	lb.	.13½-	.14
Russian, bgs.	lb.	.12 -	.12½
Carbazole, 95%, dms., ton lots, works	lb.	.70 -	—
smaller quantities, works	lb.	.80 -	—
96%, dms., ton lots, works	lb.	.75 -	—
smaller quantities, works	lb.	.85 -	—
Diethyl, dms., works	lb.	.90 -	—
small lots, works	lb.	.75 -	—
Carbinol, butyl, norm., (see Amyl alcohol, normal).			
Dimethylethyl, dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Isobutyl, 128-132°, dms., c.l., works	lb.	.33 -	—
l.c.l., works	lb.	.34 -	—
tanks, works	lb.	.32 -	—
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R.	lb.	.05 -	—
l.c.l., same basis	lb.	.05¾-	—
5-gal. dms., c.l., same basis, lb.	lb.	.07 -	.07¼
l.c.l., same basis	lb.	.08 -	.08¼
Dioxide, cyls.	lb.	.06 -	.08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.06¼-	—
l.c.l., frt. alld.	gal.	.73 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	.90 -	—
l.c.l., frt. alld.	gal.	1.00 -	—
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.73 -	—
l.c.l., frt. alld.	gal.	.80 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	.97 -	—
l.c.l., frt. alld.	gal.	1.07 -	—
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.87 -	—
l.c.l., frt. adli.	gal.	.93 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.10 -	—
l.c.l., frt. alld.	gal.	1.20 -	—
Zone 4, 52½-gal. dms., c.l.	gal.	.83 -	—
l.c.l.	gal.	.90 -	—
5 or 10-gal. dms., c.l.	gal.	1.07 -	—
l.c.l.	gal.	1.17 -	—

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.	lb.	1.00 -	1.35
decorticated, cs.	lb.	.75 -	.78
green, bgs.	lb.	.58 -	.60
Carob bean flour (see Gum, Locust bean).			
Carvol, bots.	lb.	4.00 -	4.25
Cascara sagrada bark, bulk	lb.	.16 -	.18
Case-hardening mixture, 30% lump, dms., l.c.l.	lb.	.09 -	—
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.	lb.	.09½-	.10¼
5 tons, works	lb.	.10 -	.11
smaller lots, works	lb.	.10½-	.11½
80-100 mesh, bgs.	lb.	.10 -	.11
5 tons, works	lb.	.10½-	.11½
smaller lots, works	lb.	.11 -	.12
import, Argent., 20-30 mesh, bgs. c.l., duty pd.	lb.	.10 -	.10¼
80-100 mesh, bgs., c.l., duty paids.	lb.	.10½-	.10¾
French, 30 mesh, bgs., c.l., duty paid.	lb.	.15	Nom.
New Zealand, 20-30 mesh, c.l., bgs., duty paid.	lb.	.13	Nom.
Cassia, Batavia, No. 1, bls.	lb.	.16½-	.17
shortstick, bls.	lb.	.13½-	.14
broken, bls.	lb.	.13 -	.13½
China, rolls, select, bls.	lb.	.10 -	.10¾
broken, extra, bls.	lb.	.08½-	.09
Saigon, bls.	lb.	.15 -	.16
Cassia buds, cs.	lb.	.13 -	.13½
Cassia fistula, bskts.	lb.	.12 -	.13
Castile soap, Italian, white, bars, 40-lb. cases	case.	14.00 -	—
powd., bbls.	lb.	.33 -	.36
Castoreum, nat., cns.	lb.	15.00 -	18.00
synth., bots.	lb.	19.00 -	—
Castor beans, Brazilian, ship't., c&f, N.Y.	ton.	70.00 -	—
Oil (see Oil, castor).			
Pomace, dom., 6½% ammon., bgs., c.l., works	ton.	17.50 -	—
fmport, bgs., c.i.f. ports, shipment	ton.	20.00 -	—
Celery seed, French, bgs.	lb.	.20 -	.20½
Indian, bgs.	lb.	.13½-	.14
Celluloid scrap (see Pyroxylin scrap).			
Cellulose, acetate, flake, gran., frt. alld.	lb.	.33 -	—
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.45 -	—
1,000-4,900 lbs., frt. alld.	lb.	.46 -	—
100-900 lbs., frt. alld.	lb.	.47 -	—
smaller pkg., works.	lb.	.48 -	—
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.41 -	—
1,000-4,900 lbs., frt. alld.	lb.	.42 -	—
100-900 lbs., frt. alld.	lb.	.43 -	—
smaller pkg., works.	lb.	.44 -	—
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.43 -	—
1,000-4,900 lbs., frt. alld.	lb.	.44 -	—
100-900 lbs., frt. alld.	lb.	.45 -	—
smaller pkg., works.	lb.	.46 -	—
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.45 -	—
1,000-4,900 lbs., frt. alld.	lb.	.46 -	—
100-900 lbs., frt. alld.	lb.	.47 -	—
smaller pkg., works.	lb.	.48 -	—
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.41 -	—
1,000-4,900 lbs., frt. alld.	lb.	.42 -	—
100-900 lbs., frt. alld.	lb.	.43 -	—
smaller pkg., works.	lb.	.44 -	—
Cellulose, acetate-propionate, medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.43 -	—
1,000-4,900 lbs., frt. alld.	lb.	.44 -	—
100-900 lbs., frt. alld.	lb.	.45 -	—
smaller pkg., works.	lb.	.46 -	—
triacetate, flake, frt. alld.,	lb.	.33 -	—
Cerium hydrate, dms., works.	lb.	.60 -	—
oxalate, USP, bbls., works.	lb.	.35 -	—
kgs., works.	lb.	.37 -	—
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works	lb.	.02¾-	—
cks., 250 lbs., c.l., f.o.b. works	lb.	.03¼-	—
Chamomile flowers, Hungarian, genuine, cs.	lb.	.38 -	.40
Roman, bls.	lb.	.45 -	.50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va.	ton.	32.40 -	—
Colo.	ton.	29.00 -	—
Conn., Me., Mass., N. H., R. I., Vt.,	ton.	32.80 -	—
c.l., dlvd., Ill. (except river point), Minn., Neb., Wis.	ton.	27.00 -	—
Indiana	ton.	28.00 -	—
Mo., Okla., Tex. (except El Paso)	ton.	25.00 -	—
Kansas, El Paso, Tex.	ton.	26.00 -	—
Michigan	ton.	29.80 -	—
Ohio	ton.	29.80 -	—
Penn.	ton.	31.80 -	—
Utah	ton.	66.00 -	—
Willow, powd., bbls.	lb.	.06 -	.07
Chestnut extract, clarif., 25% tan., bbls., c.l., works	lb.	.02½-	—
l.c.l., bbls., works.	lb.	.02¾-	—
tanks, works.	lb.	.01¾-	—
Chillies (see Pepper, red).			
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	9.50 -	—
l.c.l., works	ton.	10.00	-16.00
bulk, c.l., works	ton.	7.60 -	—
200 mesh, bgs., c.l., works	ton.	8.50 -	—
l.c.l., works	ton.	9.50	-15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works	ton.	9.50 -	—
paper bgs., c.l., works.	ton.	12.50 -	—
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila.	ton.	26.00	Nom.
powd., cks., l.c.l., ex dock,	ton.	39.00	Nom.
ex whse.	ton.	42.00	Nom.
Chloral hydrate, bots., 1,000 lbs.,	lb.	.93 -	1.02
500 lbs.	lb.	.96 -	1.05
100 lbs.	lb.	.98 -	1.07
25 lbs.	lb.	1.00 -	1.09
1-10 lbs.	lb.	1.05 -	1.12
dms., 1,000 lbs.	lb.	.90 -	—
500 lbs.	lb.	.93 -	—
100 lbs.	lb.	.95 -	—
Chlorinated rubber, standard, c.l., bgs., works.	lb.	.32 -	—
75 lbs., bgs.	lb.	.35 -	—
smaller lots, bgs.	lb.	.38 -	—
Chlorine, liq., cyls., c.l., dlvd., N. Y.	lb.	.05¼-	—
contracts, dlvd., N. Y.	lb.	.05¼-	—
l.c.l., dlvd., N. Y.	lb.	.07¼-	—
tanks, single unit, works, frt. equald.	100 lbs.	1.75 -	—
multiple unit, 3 or over, works, frt. equald.	100 lbs.	1.90 -	—
2, works, frt. equald.,	100 lbs.	2.15 -	—
1, works, frt. equald.,	100 lbs.	2.60 -	—
Chloracetophenone, tins, works.	lb.	3.00 -	3.50
Chloroform, tech., 650-lb. dms.	lb.	.20 -	—
100-lb. dms.	lb.	.22 -	—
50-lb. dms.	lb.	.23 -	—
USP, 650-lb. dms.	lb.	.30 -	—
100-lb. dms.	lb.	.32 -	—
50-lb. dms.	lb.	.33 -	—
Chloropicrin, com'l, 180-lb. cyls., works.	lb.	.80 -	—
100-lb. cyls., works.	lb.	.85 -	—
5-25-lb. cyls., works.	lb.	1.00 -	1.15
Chrome acetate, powd., 24%, bbls., dlvd.	lb.	.13½-	—
solut., 34½%, cs., bbls.	lb.	.05¾-	—
Cake, bulk, c.l., works.	ton.	16.00 -	—
Green (see Green, chrome).			
Oxide (see Green, chrome).			
Chrome, sulphate, pearls, dms., 100 lbs.	lb.	.40 -	—
powd., dms., 100 lbs.	lb.	.45 -	—
scale, dms., 100 lbs.	lb.	.45 -	—
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, 5-lb. bot.	lb.	5.00 -	—
Cinchona bark, quill, USP, 10 in., medium, cs.	lb.	.70 -	.75
20 in., thick, cs.	lb.	.70 -	.75
20 in., medium, cs.	lb.	.30 -	.35
USP, broken quill, red, bgs.,	lb.	.25 -	.26
yellow, bgs.	lb.	.25 -	.26
Cinchonidine, crys., small cns., 100 ozs.	oz.	.86 -	—
large, cns.	100 ozs.	.90 -	—
powd., cns.	100 ozs.	.83 -	—
Sulphate, N.F., cns.	100 ozs.	.50 -	—

Cinchonidine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs.	oz.	.58 -	—
large, cns.	100 ozs.	.62 -	—
powd., cns.	100 ozs.	.54 -	—
Sulphate, N.F., cns.	100 ozs.	.38 -	—

Cinchonine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms.	lb.	3.40 -	—
1 and 5-lb. bots.	lb.	3.50 -	3.55
100 lbs., dms.	lb.	3.30 -	—
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, f.c.c., cbys.	lb.	.85 -	.90
Cinnamon, Ceylon, 2 bls.	lb.	.18½-	.19
3 bls.	lb.	.15½-	.16
Citral, bots., cns.	lb.	1.40 -	3.10
Citrine ointment, jars.	lb.	.95 -	.97
Citronellal, bots., dms.	lb.	.75 -	.80
Citronellol, bots., dms.	lb.	1.60 -	1.85
Clove, Amboyna, bgs.	lb.	.24 -	.25
Madagascar, bls.	lb.	.15⅝-	.16
Zanzibar, bls.	lb.	.15⅝-	.16
Clover tops, bgs.	lb.	.32 -	.35
Coaltar, coal-gas, crude, bbls., c.l., works.	bbl.	7.50 -	7.75
l.c.l., works.	bbl.	8.25 -	8.50
tanks, works.	gal.	.07½-	.09
refd., bbls., c.l., works.	bbl.	8.00 -	8.25
l.c.l., works.	bbl.	8.75 -	9.00
tanks, works.	gal.	.08½-	.10
Coaltar, water-gas, crude, dms., c.l., works.	dm.	7.50 -	—
l.c.l., works.	ton.	8.25 -	—
refd., dms., c.l., works.	dm.	8.00 -	—
l.c.l., works.	dm.	8.75 -	—
Cobalt acetate, bbls., kgs., dlvd.,	lb.	.71 -	—
Carbonate, powd., bgs., works,	lb.	1.38 -	—
Chloride, kgs., works.	lb.	.76 -	.80
Hydrate, bbls.	lb.	1.78 -	—
Linoleate, paste, 5%, dms.	lb.	.31 -	—
solid, 8½%, bbls.	lb.	.33 -	—
Oleate, bbls.	lb.	.25	Nom.
Oxide, black, kgs.	lb.	1.84 -	—
Resinate, fused A, bbls.	lb.	.13½-	—
1 %, bbls.	lb.	.13 -	—
2 %, bbls.	lb.	.14 -	—
3½%, bbls.	lb.	.17½-	—
precip., dms., dlvd.	lb.	.34 -	—
Sulphate, dms.	lb.	.65 -	—
Cocaine, hydrochloride, 100 ozs., cns.	oz.	9.75 -	—
Cochineal, gray, bgs.	lb.	.37 -	.38
Teneriffe, silver, bgs.	lb.	.38 -	.39
Cocoa butter, bulk, c.l., bgs.	lb.	.12¾-	.13
Cocillana bark, bgs.	lb.	.30 -	.31
Codeine, cns., 100 ozs.	oz.	11.70 -	—
Hydrochloride, cns., 100 ozs.	oz.	10.50 -	—
Phosphate, cns., 100 oz.	oz.	9.00 -	—
Sulphate, cns., 100 ozs.	oz.	9.50 -	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb.	.07 -	.08
Blue, root, bls.	lb.	.07 -	.08
Colchicine, bots., cns.	oz.	20.00	-25.00
Colchicum seed, bgs.	lb.	.40 -	.45
Collodion, USP, dms., 325 lbs.	lb.	.12½-	—
cns., 25 lbs.	lb.	.16 -	—
flexible, USP, dms., 325 lbs.	lb.	.14½-	—
cns., 25 lbs.	lb.	.18 -	—
Colocynth pulp, bls.	lb.	.55 -	.56
Colombo root, bls.	lb.	.15 -	.16
Coltsfoot leaves, bgs.	lb.	.15 -	.16
Condurango bark, bgs.	lb.	.12 -	.13
Conium leaves, bls.	lb.	.30 -	.32
Copaiba balsam, Para, cns.	lb.	.30 -	.33
S.A., USP, cns.	lb.	.36 -	.37
Copper acetate, normal, bbls., dlvd.	lb.	.22 -	—
smaller containers, dlvd.	lb.	.24 -	—
Carbonate, 52-54%, bbls.	lb.	.1610-	—
Chloride, cryst., bbls.	lb.	.16 -	—
Cyanide, tech., bbls.	lb.	.34	Nom.
Iodide, bots.	lb.	5.15 -	5.19
Metal, electrolytic	lb.	.11¼-	.11½
Nitrate, cryst., bbls.	lb.	.16¼-	—
Oleate, precip., bbls.	lb.	.20 -	—
Oxide, black, 79-80%, bbls., tons, works	lb.	.18 -	—
Red, com'l., 80-88%, kgs., f.o.b. N.Y.	lb.	.19½-	—
Resinate, precip., bbls.	lb.	.18 -	.16
Stearate, precip., bbls.	lb.	.24½-	.25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works.	100 lbs.	4.60 -	—
l.c.l., 16-50 bbls., same basis.	100 lbs.	4.75 -	—
6-15 bbls., same basis.	100 lbs.	4.95 -	—
1-5 bbls., same basis.	100 lbs.	5.20 -	—
monohydrated, dms., c.l., dealers, f.o.b. works.	100 lbs.	9.15 -	9.35
l.c.l. dealers.	100 lbs.	10.15	-10.35
Copperas, cryst., gran., bgs., c.l., works.	ton.	18.00 -	—
bbls., c.l., works.	ton.	20.00 -	—
l.c.l., 25 or over, works,	100 lbs.	1.55 -	—
5-24, works.	100 lbs.	1.65 -	—
1-4, works.	100 lbs.	2.00 -	—
bulk, c.l., works.	ton.	14.00 -	—
Copra, Coast, shipt.	lb.	.0185-	.0190
Coriander seed, Morocco, bgs.	lb.	.0380-	4.10
bleached, bgs.	lb.	.06½-	.07
Corn sugar, Tanner's chipped, bgs., c.l., dlvd.	100 lbs.	3.29 -	—
slabs, bbls., c.l.	100 lbs.	3.21 -	—
solid, bbls., c.l.	100 lbs.	3.33 -	—
Syrup, 42°, bbls., c.l.	100 lbs.	3.32 -	—
43°, bbls., c.l.	100 lbs.	3.37 -	—
Cornsilk, bls.	lb.	.11 -	.12
Corrosive sublimate, cryst., dms., 50 lbs. or more	lb.	2.19 -	—
gran., powd., dms., 50 lbs. or more	lb.	2.04 -	—
Cottonroot bark, bls.	lb.	.11 -	.12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton.		1.10 -	—
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	2.75 -	3.00
5-lb. cns.	lb.	2.85 -	3.10
1-lb. cns.	lb.	3.00 -	3.25
1-oz. cns.	lb.	3.35 -	3.60
less than 5 lbs., cns.	lb.	4.15 -	4.65
Cramp, bark, genuine, bls.	lb.	.23 -	.24
so-called, bls.	lb.	.06 -	.07
Cranesbill root, bls.	lb.	.16 -	.18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't,	lb.	.30¾-	—
smaller lots, bbls.	lb.	.31¼-	—
kgs.	lb.	.31¾-	—
Creosote, beechwood, bots.	lb.	.70 -	.75
Hardwood, USP, bots.	lb.	.45 -	.47
Pine, dms.	gal.	.23 -	—
Carbonate, bots., cbys.	lb.	1.40 -	1.75
Oil, crude, tanks, works.	gal.	.13½-	.14½
Coaltar, solution, tanks, works.	gal.	.122 -	.132
refd., bbls., l.c.l., works.	gal.	.25 -	—
tanks, works.	gal.	.18 -	.18½
Cresol, USP, dms., c.l., works.	lb.	.09¾-	—
l.c.l., same basis.	lb.	.10¼-	—
special resin grade, dms., c.l., works.	lb.	.08¾-	—
l.c.l., same basis.	lb.	.09¼-	—
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works.	lb.	.11 -	—
l.c.l., works.	lb.	.12 -	—
5 and 10 gal. dms., works.	lb.	.15 -	—
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more	lb.	.24 -	.25
2,000 lbs. to 10,000 lbs.	lb.	.25 -	.26
1,000 lbs. to 2,000 lbs.	lb.	.26 -	.27
200 lbs. to 1,000 lbs.	lb.	.27 -	.28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.	lb.	.42 -	.44
powd., cs.	lb.	.47 -	.48
Culver's root, bls.	lb.	.16 -	.17
Cumin seed, Morocco, bgs.	lb.	.16 -	.16½
Cyprus, bgs.	lb.	.15½-	.16
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid.	lb.	.04½-	—
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N_2, unit-ton.		No prices	
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.10¾-	—
lump, dms.	lb.	.09¾-	—
75%, gran., dms.	lb.	.15 -	—
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies.	lb.	.33 -	—
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies.	lb.	.16 -	—
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies.	lb.	.33 -	—

D

Damiana leaves, bls.....lb. .25 - .26
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .14 - .15
Degras common, dom., bbls...lb. .08½- .09½
English, bbls.....lb. .08½- .09½
neutral, dom., bbls.....lb. .13½- .16½
English, bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.90 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.85 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., cl., dlvd....lb. .21 - —
l.c.l., dlvd.....lb. .21¼- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., cl., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l, works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.i.f.....ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25¼
Sebacate, dms., works.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .023 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .15 - .18
Hungarian, bls.....lb. .24 - .25
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns.....lb.17.50 - —
FD&C green, No. 3, cns.....lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 3 cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red. No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —

Dyes, coaltar (certified colors), for drugs and cosmetics.
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns..lb.15.85 - —
D&C orange, No. 11, cns...lb.17.25 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.85 - —
Ext.D&C, red, No. 8.....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1.. cns..lb. 8.35 - —

Damiana Leaves—Dyes

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .60
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —

Markets in By-Paths

Good customers for the secondary chemical products (which a manufacturer may make incidental to his basic business) are not always found in the market-places frequented by his own salesmen. Locating the elusive customer is the daily routine of our specialized organization.

With two generations of world-wide experience in marketing chemicals, with an intimate knowledge of the chemical business and a sound technical background, we are in a position to render a constructive marketing service that conforms to the manufacturer's selling standards and, at low cost, *finds the customer.*

We invite correspondence from manufacturers interested in increased distribution in the chemical or allied industries.

Inquiries for these and other chemicals are invited.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
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NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Dyes—Ferric Sulphate

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Dyes, coaltar, for stains, water-soluble:—
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene greeen B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —

Dyes, coaltar, for stains, water-soluble:—
Orange:—
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
188 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .57 - .62
imported .....lb. .52 - .56
Elder flowers, bright, bls.....lb. .38 - .39
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1-000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 3.75 - 3.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs. lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
95-98%, dms., c.l., frt. alld.lb. .08¼- —
l.c.l., frt. alld.....lb. .08¾- —
tanks, frt. alld.....lb. .07¼- —
N.F., 460 lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., dlvd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd....lb. .75 - —
1 gal., cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l.,works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l.works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¼- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .11 - .12

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13 - .13½
French, bgs.....lb. .13 - .13½
German, large, bgs.....lb. .33 - .34
Roumanian, bgs.....lb. .11¾- .12¼
Fenugreek seed, bgs.....lb. .04½- .05
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —

26 Years of EPSOM SALT U.S.P. Production

IT WAS a year of new dances when Dow first made Epsom Salt. The public was kicking up its heels in the turkey-trot and demonstrating the tango. Wits were making wise cracks about the hobble skirt, but in Washington the administration was trying to keep us out of the European war.

For 26 years Dow has continued to produce Epsom Salt, U.S.P.—recreating the therapeutic properties of Epsom's original spring.

Profiting by this extensive experience, Dow research in 1927 perfected a still more advanced process for the manufacture of Epsom Salt. This new development made practical the large scale production of an exceptionally pure product in the form of white, sparkling, uniform, needle-shaped crystals. No packaging is done until each batch has been tested for chemical purity, freedom from foreign material, crystal form, dryness and odor.

Today Dow is the largest American producer of Epsom Salt for use in general medicinal practice and for veterinary purposes. Shipments are made in barrels (350 lbs. net), kegs (125 lbs. net), waterproof bags (100 lbs. net), and cases of 12 5-lb. cloth bags or cartons.

DOW

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN
Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis Field Building, Chicago; 9 Main Street, San Francisco; 4151 Bandini Boulevard, Los Angeles

Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns....gal. 12.75 -13.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.50 & .19
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton. 58.00 - —
wet, acidulated, 6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, April shipt..ton. 53.50 - —
spot..ton. 53.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .18½- .19
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton. 32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton. 21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 21.00 - —
imported, 85.5, duty paid, short ton. 25.00 Nom.
Formaldehyde, bbls., c.l., works, .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton. 15.00 - —
import., bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl. dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases....lb. .09 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal.. .063/4- .07½
California, 54-58, tanks...gal. .05¾- .07
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¾- .04½
67-69 octane, tanks....gal. .04½- .04¾
70-72 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, US motor, 62 octane and below, tanks, gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04
67-69 octane, tanks....gal. .04 - .04¼
70-72 octane, tanks....gal. .04½- .04¾
natural, 12-lb. v.p., tanks, gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¾- .01½
18-lb. v.p., tanks.....gal. .01½- .01⅞
22-lb. v.p., tanks.....gal. .02 - —
26-70-lb. v.p., tanks...gal. .01¾- .01½
below 60 octane, tanks..gal. .02 - —
65 octane, tanks.....gal. .04 - —
52-54 450 e.p., naphtha, tanks..gal. .03 - —
gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¾- .01½
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger root, African, bgs.....lb. .07¼- .07½
Cochin, lemon, bgs.....lb. .10 - .10½
Jamaica, bold, bgs.....lb. .12 - .13
medium, bgs.....lb. .11 - .11½
grinding, bright, bgs.....lb. .08½- .08¾
Japanese, bgs.....lb. .08¾- .09¼
Ginseng root, wild, Southern, cs., lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
35/58, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
58/82, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
Glue, hide, calcimine type, 118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz. 35.00 - —
Chloride, acid brown, bots...oz. 20.75 -21.00
yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .12 - .12½
Goldenseal, root, bls.....lb. 3.65 - 3.85
powd., bxs.....lb. 3.90 - 4.10
Grains of paradise, bgs.....lb. .38 - .39
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
Graphite, amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works, lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, loose.....lb. .04¾- .04¾
White .....lb. .05 - .05½
Yellow .....lb. .04¾- .04¾
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .08½- .09
white, sorts, 1, bgs.....lb. .28 - .29
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .12½- .13
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17 - .18
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅜- —
6, pale amber bold, bgs., c.l., same basis..lb. .21¼- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
Gum, copal, Congo, 8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅜- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .11⅜- —
12, selected bold sorts, bgs., c.l., same basis..lb. .10⅜- —
13, dark sorts bold, bgs., c.l., same basis..lb. .08½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅜- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .17⅜- —
18, pale straw nubs, bgs., c.l., same basis..lb. .17½- —
19, pale straw nubs., bgs., c.l., same basis..lb. .16⅞- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11⅜- —
21, ordinary selected nubs, c.l., same basis..lb. .10⅜- —
22, small mixed nubs, bgs., c.l., same basis..lb. .09⅞- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale bid chips, bgs., c.l., same basis..lb. .10 - —
27, pale small nubs, bgs., c.l., same basis..lb. .09½- —
28, pale dust, bgs., c.l., same basis..lb. .06⅜- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06⅝- —
unscraped, bgs., c.l., same basis..lb. .05⅝- —
chips, bgs., c.l., same besis..lb. .05 - —
dust, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
black, bold, scraped, bgs., c.l., same basis..lb. .09⅝- —
unscraped, bgs., c.l., same basis..lb. .06⅜- —
nubs and chips, bgs., c.l., same basis..lb. .06⅜- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13⅞- —
chips, bgs., c.l., same basis, lb. .07½- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis..lb. .11½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14⅜- —
chips, bgs., c.l., same basis, lb. .08⅜- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13⅞- —
light, bskts., c.l., same basis..lb. .15⅜- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13⅜- —
C, bskts., c.l., same basis, lb. .13½- —
CNE, bskts., c.l., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .12⅞- —
DK, bskts., c.l., same basis..lb. .08⅞- —
dust, bskts., c.l., same basis..lb. .06⅞- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15⅜- —
Singapore, dust, bskts., c.l., same basis..lb. .06⅞- —
spirit - soluble, CBB, bskts., basis..lb. .12½- —
DBB, bskts., c.l., same basis, lb. .12⅛- —
MA, bskts., c.l., same basis, lb. .09 - —
MB, bskts., c.l., same basis, lb. .08½- —
WS, bskts., c.l., same basis, lb. .12⅛- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09¾- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11⅛- —
extra pale sorts, bskts., c.l., same basis..lb. .12⅛- —
nubs, bskts., c.l., same basis..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅜- —
seeds and dust, bskts., c.l., same basis..lb. .08⅜- —
Pontianak, bold, genuine, bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis, lb. .14¼- —
split, bgs., c.l., same basis, lb. .13¼- —
chips, bgs., c.l., same basis, lb. .08⅜- —
nubs, bgs., c.l., same basis, lb. .10¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis...lb. .15⅜- —
A/D, cs., c.l., same basis..lb. .13¾- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis.....lb. .20¼- —
C, cs., c.l., same basis.....lb. .14⅝- —
D, cs., c.l., same basis.....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07⅝- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Singapore 1, cs., c.l., same basis..lb. .16⅞- —
2, cs., c.l., same basis....lb. .12⅜- —
3, cs., c.l., same basis....lb. .07½- —
chips, cs., c.l., same basis..lb. .11 - —
dust, cs., c.l., same basis, lb. .07¼- —
seeds, cs., c.l., same basis, lb. .09⅜- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07

Film Scrap—Hypernic

Gum, ester, dms., dlvd., Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l..lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l...lb. .07- .07⅛
l.c.l., same basis.....lb. .07¼- .07⅝
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .45 - .46
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .15 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .35 - .36
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs. 15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs. .....lb. 2.55 - 2.60
3, cs. .....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yucca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.45 - —
Medicine Lodge, Kans., frt. equaled..ton. 17.00 - —
bgs, c.l., f.o.b. New Brighton, N. Y., frt. equald..ton. 27.65 - —
Southard, Okla., frt. equal..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.45 - —
Acme, Tex., frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Medicine Lodge, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 14.00 - —
f.o.b. Southard, Okla., frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
stucco, paper bags., c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton. 12.00 - —
import, bgs., ex dock.....ton. 28.00 Nom.

H

Hawthorn berries, bgs.....lb. .28 - .30
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .16 - .17
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane, leaves, bls.....lb. .45 - .50
Henna leaves, bls.....lb. .13 - .14
powd., bbls., bxs.....lb. .16 - .17
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l. Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz. 13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago, unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .08 - .09
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz. 20.00 - —
Hydrochloride, bots., 4 ozs..oz. 20.00 - —
Sulphate, bots., 4 ozs.....oz. 21.75 - —
Hydrastine, 15 grs., bots....bot. 1.95 - —
Hydrastine (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz. 55.00 -72.00
Hydrochloride, bots.....oz. 59.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

Iceland Moss—Manganese Lin.

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 32.00 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mill, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .54
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jarborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
resin, lump, 100 lb. lots, cns.lb. 5.75 - —
powd., bxs.....lb. 5.80 - —
Juniper berries, bgs.....lb. .12 - .13

K

Kamala, tins.....lb. .42 - .43
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0390- .06½
Gulf ports, p.w., bulk.....gal. .07⅝- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¼
42-44 w.w., tanks.....gal. .04⅛- .04⅜
Pennsylvania, 45 w.w., tanks, gal. .04⅞- .05
46 w.w., tanks.....gal. .05 - .05¼
47 w.w., tanks.....gal. .05⅛- .05¼
Kerosene tankwagon:—
Atlanta.....gal. .10 - —
Boston.....gal. .08½- —
Chicago.....gal. .10 - —
Cincinnati.....gal. .12 - —
Denver.....gal. .10½- —
Louisville.....gal. .09 - —
Minneapolis.....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .08½- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.50 - 6.75
Middlewestern, trcs....100 lbs. 6.90 - 7.00
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 7.00 - 7.10
Compound, trcs.....100 lbs. 9.25 - 9.50
Larkspur seed, bgs.....lb. .90 - 1.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05¼- .05¾
Lavender flowers, ordinary, bls.lb. .35 - .37
medium, bls.....lb. .40 - .42
select, bls.....lb. .45 - .47
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs., c.l.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.' in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic, sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5 lb. bots..lb. 2.66 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0787- —
other points.....lb. .07½- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. other points.....lb. .07¾- —
lb. .0810- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0800- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08¾- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic, carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07½- —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc. lb. .06⅝- —
other points.....lb. .06⅞- —
in oil, 100-lb. kgs., consumers, lb. .12⅜- —
dealers.....lb. .10⅜- —
painters.....lb. .11⅜- —

Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis...lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
select, bdls., cs.....lb. .20 - .25
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton. 11.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton. 25.50 - —
meal, 34%, bgs.....ton. 33.00 - —
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0685- —
Litharge, com'l, powd., bbls., dlvd., other points....lb. .06¼- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Litnopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)...lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
soln., bxs.....lb. .16½- .20¾
Lovage root, dom., bls.....lb. .45 - .50
imports, bls.....lb. .45 - .60
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

M

Mace, Banda, cs.....lb. .55 - .56
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .40 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07½- —
bbls.....lb. .08¼- —
kgs.....lb. .09¼- —
U.S.P., Zone 1, c.l., bgs..lb. .06 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .06¼- —
kgs.....lb. .10¼- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., C.l., shipments ,full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs....ton.58.00 62.00
Import, bgs., duty paid...ton.58.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots.....lb. .55 - —
cns.....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .2½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works...ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 3 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 3.55 - —
jars, 25 lbs.....lb. 3.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —

Manganese, ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works.....lb. .08¼- .08¾
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt...ton.30.00 - —
Manna flake, large, cs.....lb. .80 - .85
small, cs.....lb. .65 - .70
Mannitol, com'l grade, 90% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works.....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .25 - .25½
Tunisan, bls.....lb. .24 Nom.
Chilean, bls.....lb. .17½- .18
Matico leaves, bls.....lb. .28 - .29
Menthol, USP, natural, cs.....lb. 3.60 - —
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms.. 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —

Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib., dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Iodide, red, N.F., 5-lb. bots..lb. 4.71 - —
100-lb. fib., dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.73 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate). tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib., dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib., dms.....lb. 1.73 - 1.75
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅜x5⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.30 - —
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Natural, producer group B, pure, tanks, frt. alld.
Zone 1.....gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1...gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Tenn., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb. N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore., Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex, Ore., Utah, Wash.

No. 1070 C. P. CHROME YELLOW LIGHT

Where high initial gloss is needed in enamels, formulators are choosing No. 1070 C.P. Chrome Yellow Light.

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REICHHOLD Chemical Colors

Manganese Ore—Metronite Pig.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld....gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .46½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. ald...gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l., only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, producer group A, dms., c.l..gal. .41 - —
l.c.l.....gal. .44 - —
tanks.....gal. .35 - —

Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Natural, producer group B, tanks, Zone 1..gal. .35 - —
Zone 2.....gal. .37½- —
Zone 3.....gal. .38½- —
Zone 4.....gal. .39 - —
dms., c.l., Zone 1.....gal. .41 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .45 - —
Zone 4.....gal. .47 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .50½- —
Zone 3.....gal. .48 - —
Zone 4.....gal. .63½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los. A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Acetone, synthetic, dms., c.l., E. of Rockies..gal. .44 - —
W. of Rockies.....gal. .49 - —
l.c.l., E. of Rockies...gal. .47½- —
W. of Rockies.....gal. .51½- —
tanks, E. of Rockies....gal. .36 - —
W. of Rockies.....gal. .39½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .25 - .27
cns.....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .23
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l.....lb. .21 - —
tanks.....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —

Metronite—Oil, Castor

Metronite pigment, 250 mesh., containers extra, l.c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½ - —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l. works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½ - —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½ - —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼ - —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝ - —
rubber, bgs., c.l., frt. alld. E., lb. .04¼ - —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝ - —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½ - —
l.c.l. .....lb. .08½ - —
unskimmed, roller, bbls., c.l., lb. .15½ - —
l.c.l. .....lb. .16½ - —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .02⅝ - .03¼
early fortune, bgs.....lb. .02½ - .03
hulled, bgs.....lb. .05½ - .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .05½ - .06
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide. pure, kgs., basis Mo. content, works..lb. 1.00 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l. works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylaniiin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz..10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns, 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth, ambrette, cns., 100 lbs., or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .40 - .45
Mustard seed, California, brown, bgs..lb. .09 - .09¼
Danish, yellow, bgs.....lb. .14 - .14½
Dutch, yellow, bgs.....lb. .11½ - .12
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .10 - .10½
Myrobalans, J1, bgs., f.a.s...ton.28.50 - —
J2, bgs., f.a.s.....ton.24.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works. 100 lbs. 2.25 Nom.
bbls., l.c.l., works..100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works. 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
import, bgs., c.i.f.....100 lbs. 2.90 Nom.
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis..lb. .07⅛ - —
pkgs. (16 oz.), same basis. lb. .07¾ - —
(12 oz.) same basis..pkg. .06¼ - —
chipped, crushed, bbls., same basis..lb. .06¼ - —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works,frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½ - —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Nitrocellulose, lacquer, 20-30 and 60-80 sec., vis., bbls., works, lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.95 - —
f.o.b. Chemical, Ill., unit-ton. 1.95 - —
East Coast producing points..unit-ton. 2.50 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.49 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .29 - .32
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .22 - .22½
110s, bgs., cs.....lb. .20 - .20½
West Indian, bgs.....lb. .11 - .11½
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½ - —
l.c.l., bbls., works.....lb. .03⅝ - —
tanks .....lb. .02¾ - —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½ - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½ - —
Octyl acetate, dms., c.l., works.lb. .16 - —
.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.10
s.p.a., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .75 - .80
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .68 - .70
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .06⅜ - —
Bay, W. I., 50-55% phenols, 55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 6.00 - 6.50
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .26
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .71 - .72
USP, IX, cns.....lb. .75 - .76
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .39 - .40
dms. .....lb. .36 - .37
white, cns.....lb. .52 Nom.
dms. .....lb. .50 Nom.
Cananga, native, cns.....lb. 1.75 - 1.80
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 2.50 - 3.00
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l. .....lb. .15½ - —

OUTSELLS
ALL OTHER BRANDS COMBINED
3 TO 1

Exchange X BRAND
OIL OF LEMON
U·S·P·

Sold to the American Market Exclusively by

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO. CORONA, CALIFORNIA

Oil, castor, cold pressed, USP, bbls., c.l..lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l. .....lb. .13⅝- —
(5-gal.), l.c.l.....lb. .15 - —
tanks .....lb. .12½ Nom.
extracted No. 3, tech. bbls., c.l..lb. .12¾ Nom.
l.c.l. .....lb. .13½- —
dms. (returnable), c.l.....lb. .12½ Nom.
l.c.l. .....lb. .13¼- —
tanks .....lb. .12 Nom.
dehydrated, dms., c.l.....lb. .181 Nom.
l.c.l. .....lb. .185 - —
tanks .....lb. .17½ Nom.

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

dms., c.l..lb. .087 - —
l.c.l. .....lb. .097 - —
75% (83% fat) dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12¼- —
80% (88% fat), dms., c.l..lb. .11½- —
l.c.l. .....lb. .12½- —
Cedarleaf, cs.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .19 - .23
Celery, bots.....lb. 9.00 -10.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .25½- .26½
tanks .....lb. .22½- .25½
Cinnamon, Ceylon, bots.....lb. 9.25 -25.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Java, cns., dms.....lb. .39 - .40
Clove, makers, USP, cns....lb. 1.25 - 1.30
dms. .....lb. 1.20 - 1.25
Coconut, Manila, crude, tanks, lb. .03⅜- —
edible, 76°, tax incl. dms. (returnable), c.l..lb. .07⅞- —
l.c.l. .....lb. .08⅜- —
tanks .....lb. .07¼- —
Cod, Norwegian, shipt., bbls.gal. No prices
Codliver, med., USP, bbls..bbl.60.00 Nom.
Coriander, bots.....lb.11.50 -12.50
Corn, crude, tanks, wks.....lb. .06⅝- .06½
refd., bbls.....lb. .08¾- .09
Cottonseed, cooking, bbls....lb. .08¾- —
salad, bbls.....lb. .09 - —
import, Brazilian, semi-refd., bulk..lb. No prices
Creosote (see C).
Croton, N.F., cns.....lb. 2.60 - 2.85
Cubeb, USP, cns.....lb. 5.50 - 5.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.50 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 2.10 - 2.35
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 3.60 - 4.00
weed, bots.....lb. 4.00 - 5.00
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. .69 - .72
dms. .....lb. .66 - .69
Fennel, sweet, cns.....lb. 2.25 - 3.00
Fuel, bunker, California, tide-water..bbl. .65 - .75
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. 1.50 - —
Tuesday .....bbl. 1.50 - —
Wednesday .....bbl. 1.50 - —
Thursday .....bbl. 1.50 - —
Friday .....bbl. 1.50 - —
Saturday .....bbl. 1.50 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 36-40.....gal. .03⅞- .04
Furnace, Bayonne, 1. bulk, refinery..gal. .0590- .06¼
2. bulk, same basis.....gal. .0540- .0560
4. bulk, same basis.....gal. .0540- .0560
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¼- .03⅜
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅜- .03½
36-38 .....gal. .03⅝- .03⅞
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .0540-.0560
Gulf Coast, bulk.....gal. .03⅛- —
North Texas, bulk.....gal. .02⅜- .02¾
Oklahoma, bulk.....gal. .02⅜- .02¾
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns.....lb. 2.75 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.55 - 1.60
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.75 - 5.00
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Haariem, imported, bots..gross. 5.00 - 5.50
Hemlock, cns.....lb. .65 - .70
Juniper berry, USP, cns.....lb. 2.80 - 3.25
wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, cns....lb. .55 - .65
Lard, common, 1, bbls.....lb. .08¼- —
2. bbls.....lb. .08 - —
extra, bbls.....lb. .08⅝- —
1. bbls.....lb. .08½- —
winter, strained, bbls....lb. .08¾- —
prime, burning, bbls.....lb. .09½- —
prime, ined., bbls.....lb. .09 - —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 3.10 - 3.25
Lavender flower, French, 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns.....lb. 3.50 - 4.50
35-38% ester, cns.....lb. 3.00 - 3.05
30-32% ester, cns.....lb. 2.75 - 2.80
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.20 - 1.85
dms. .....lb. 1.15 - 1.70
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 3.85 - 4.50
Terpeneless, Type 1.....lb.10.75 -16.50
Type 2.....lb. 8.50 -14.50
Lemongrass, native, cns., dms. lb. .85 - .90
Lime, dist., cns.....lb. 3.75 - 4.25
expressed, cns.....lb. 7.25 - 7.50
Terpeneless, Type 1.....lb.70.00 -78.00
Type 2.....lb.42.00 -46.50
Linaloe wood, cns.....lb. 1.35 - 1.40
Linseed, raw, bbls., c.l.....lb. .1080- .1100
l.c.l., 10 to 60.....lb. .1120- .1130
5 to 9.....lb. .1140- —
less than 5.....lb. .1160- —
tanks .....lb. .1020- .1040
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 60.00
Lubricating, at refinery (including U.S. tax &c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —

Oil, lubricating, at refinery, California, green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D. color 4, 0-10 pour, tanks..gal. .25 - —
15-25 pour, tanks..gal. .26 - —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .26 - —
15-25 pour, tanks..gal. .24 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .25 - —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .12 - —
180 vis., 5 color, tanks.gal. .14½- —
4 color, tanks.....gal. .14 - —
200 vis., 3 color, tanks.. gal. .15½- —
4 color tanks....gal. .15 - —
250 vis., 3 color, tanks.. gal. .16 - —
4 color, tanks.....gal. .15½- —
280 vis., 3 color, tanks.. gal. .17½- —
4 color, tanks....gal. .17 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .28 - .32
25 pour, tanks..gal. .30 - .33
cylinder, 600 fire, tanks, gal. .17 - —
600 flash, tanks.....gal. .21 - —
630 flash, tanks.....gal. .23 - —
635 fire, tanks.....gal. .19 - —
650 fire, tanks.....gal. .20 - —
Warren, E, amber, tanks, gal. .23 - —
Warren, E, neutral, 150 vis., 3 color, tanks..gal. .25 - .27
180 vis., 3 color, tanks.gal. .27 - .29
200 vis., 3 color, tanks.gal. .27 - .32
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .23 - —
600 flash, s.r., bbls., c.l. gal. .26 - —
Penna., 630 flash, bbls., c.l., f.a.s..gal. .26 - —
Warren, E., bbls., c.l., f.a.s., gal. .26 - —
smaller lots, f.o.b..gal. .27 - —
Mace, dist., cns., dms.....lb. 1.80 - 1.85
Mandarin, superior, coppers..lb. 5.25 - 5.45
Menhaden, crude, tanks, f.o.b. Balto..gal. .32 Nom.
refd., alkali, dms.....lb. .0790- —
tanks .....lb. .0670- —
blown, dms.....lb. .0810- —
kettle-bodied, dms.....lb. .0910- —
light-pressed, dms.....lb. .0730- —
tanks .....lb. .0670- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.60 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls.,
extra, bbls.....lb. .17 - —
1, bbls.....lb. .08½- —
prime, bbls.....lb. .08¾- —
pure, bbls.....lb. .12¾- —
sulphonated, common, 25% moisture, dms..lb. .10¼- —
Neroli, bots.....lb.100.00 -150.00
Nutmeg, USP, cns., dms.....lb. 1.80 - 1.85
Oiticica, dms.....lb. .18 - .19
Oleo, 1, bbls.....lb. .07½- —
2, bbls.....lb. .07¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. .95 - .96
edible, dms.....gal. 1.85 - 1.95
foots, dms.....lb. .08¼- .08⅝
sulphonated, 50% (42% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l..lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.10 - 1.15
Calif., cns.....lb. 1.60 - —
Florida, cns.....lb. 1.15 - 1.20
Messina, USP, coppers. lb. 3.80 - 5.00
West Indies, cns....lb. 2.00 - 2.10
terpeneless .....lb.42.00 -50.00
Origanum, cns.....lb. 1.80 - —
Orris, Florentine, concrete, extra strong, bots..oz. 5.50 - 6.00
Palm, Niger, dms.....lb. .04½- —
shipment .....lb. .03¾- —
softs, 12½%, bulk, shipt....lb. .02½- —
Sumatra, shipt., bulk.....lb. .02½- —
Palmarosa, cns.....lb. 2.25 - 2.50
Palmkernel, bulk, shipt.....lb. No prices
Paraffin, 320° flash, 60-70 vis., tanks, G 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3...gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 6.00 - 6.75
Peanut, crude, dom., tanks..lb. .06⅝- .06¾
refd., edible, bbls.....lb. .09¼- .09½
Pennyroyal, dom., cns.....lb. 3.00 Nom
import, cns.....lb. 2.25 - 2.50
Peppermint, natural, cns., dms., lb. 2.70 - 2.95
redist., USP, cns., dms....lb. 2.95 - 3.20
Perilla, dms.....lb. .19 Nom.
tanks .....lb. .18 Nom.
Petitgrain, Paraguay, cns....lb. 1.55 - 1.60
Pimento berry, cns.....lb. 4.35 - 7.25
leaf, cns.....lb. 2.40 - 2.50
Pine, dest.-dist., straw-color, dms., divd., E. ports....gal. .53 - .56
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.30 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22¼- —
contracts .....gal. .19¼- —
Whiting, Ind.....gal. .26 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .17 - .17½
denat., bbls.....gal. 1.00 - 1.05
Red, dist. or saponif., dms., divd..lb. .07½- .08½
tanks, divd.....lb. .07 - —
Rose, artif., bots.....oz. 2.00 - 2.25
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .67 - .68
dms. .....lb. .62 - .63
Rosin, 1st rectfd., dms.....gal. .50 - —
2d rectfd., dms.....gal. .52 - —
3d rectfd., dms.....gal. .56 - —
Rue, bots.....lb. 3.00 - 3.25
Sage, cns.....lb. 2.00 - 3.00
Sandalwood, E. I., USP, cns.lb. 5.25 - 5.50
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, tanks, Pac. Cst. gal. .40 Nom.
refd., alkali, dms.....lb. .0790- —
tanks .....lb. .0730- —
kettle-bodied, dms.....lb. .0910- —
light-pressed, dms.....lb. .0730- —
tanks .....lb. .0670- —

Oil, sassafras, artif., cns.....lb. .73 - .74
dms. .....lb. .70 - .71
natural, cns., dms.....lb. 1.15 - 1.20
Savin, cns.....lb. 2.20 - 2.25
Savory, cns.....lb. 3.50 - 3.75
Sesame, refd., dom., dms....lb. .16 Nom.
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms...lb. .07 - .07½
tanks .....lb. .06¾- —
refd., dms.....lb. .08 - .08¾
tanks .....lb. .07¼- .07¾
Spearmint, dms.....lb. 2.20 - 2.30
Sperm, bleach, 38°, dms.....lb. .1050- —
45°, dms.....lb. .0980- —
natural, dms.....lb. .0930- —
Spruce, cns., dms.....lb. .65 - .70
Sweet, birch, North, cns.....lb. 2.25 - 2.65
South, cns.....lb. 1.35 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - -
distilled, dms., c.l., dlvd....lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .08¼
tanks, dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .08¼- —
tanks .....lb. .07¾- —
Tansy, cns.....lb. 6.15 - 6.25
Tar, pine, com'l, dms., divd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlvd., E. ports..gal. .59 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .12½ Nom.
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. .80 - 1.75
white, dms.....lb. .95 - 1.95
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.30 - 2.80
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 6.00 - —
Valerian, bots.....lb. 8.00 - 9.00
Vetiver, bots.....lb. 8.50 -15.00
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms....gal.17.50 -25.00
White, mineral, dom., dms., **tech., 50-60 vis., dms.gal. .33 - .34**
65-75 vis., dms.....gal. .40 - .46
80-90 vis., dms.....gal. .41 - .47
USP, 80-90 vis., dms....gal. .44½- .50
95-105 vis., dms.....gal. .57 - .60
125-135 vis., dms.....gal. .64½- .65¼
140-150 vis., dms.....gal. .67 - .69
175-185 vis., dms.....gal. .73¾- .75½
200-210 vis., dms.....gal. .74½- .75½
220-230 vis., dms.....gal. .75 - .81
335-345 vis., dms.....gal. .81 - .88
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 4.30 - 4.40
Wormwood, cns.....lb. 5.40 - 5.85
Ylang-ylang, Bourb., bots., cns. lb. 2.50 - 8.00
manila, bots.....lb.18.00 -22.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11 - —
Other points.....lb. .10½- —
Smaller lots, divd., Ala., etc. lb. .11¼- —
Ariz., etc.....lb. .11¾- —
Colo., Mont., N. M., Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .11 - —
French, Tours, casks, ex dock..lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .50 - .65
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .12 - .13
Orris root, Florentine, bgs.....lb. .14 - .17
fingers, cs.....lb. 1.15 - 1.20
powd., bbls., bxs.....lb. .21 - .22
Verona, bls.....lb. .15 - .16
powd., bxs., cs.....lb. .19 - .20
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16 - —
l.c.l., same basis.....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, crystl., bbls., lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.45 - 1.50
Paprika, Bulgarian, bgs.....lb. .24 - .24½
Hungarian, extra fancy, bgs.lb. .33½- .34
medium, bgs.....lb. .30½- .31
Portuguese, extra fancy, bgs.lb. .31½- .32
fancy, bgs.....lb. .30½- .31
Spanish, extra fancy, cs.....lb. .37 - .38

Oil, Castor—Petroleum Ether

Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .05¼- —
bbls., c.l., N.Y.....lb. .04¾- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05¼- .05½
bbls., c.l., N.Y.....lb. .04¾- .0485
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .04¾- —
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0660- —
loose, c.l.....lb. .0625- —
125 A.m.p., bgs., c.l.....lb. .0675- —
128-130 A.m.p., bgs., or loose, c.l..lb. .0680- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0705- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0730- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0755- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0830- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0925- —
151-153 A.m.p., bgs. or loose, c.l..lb. .70 Nom.

Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.

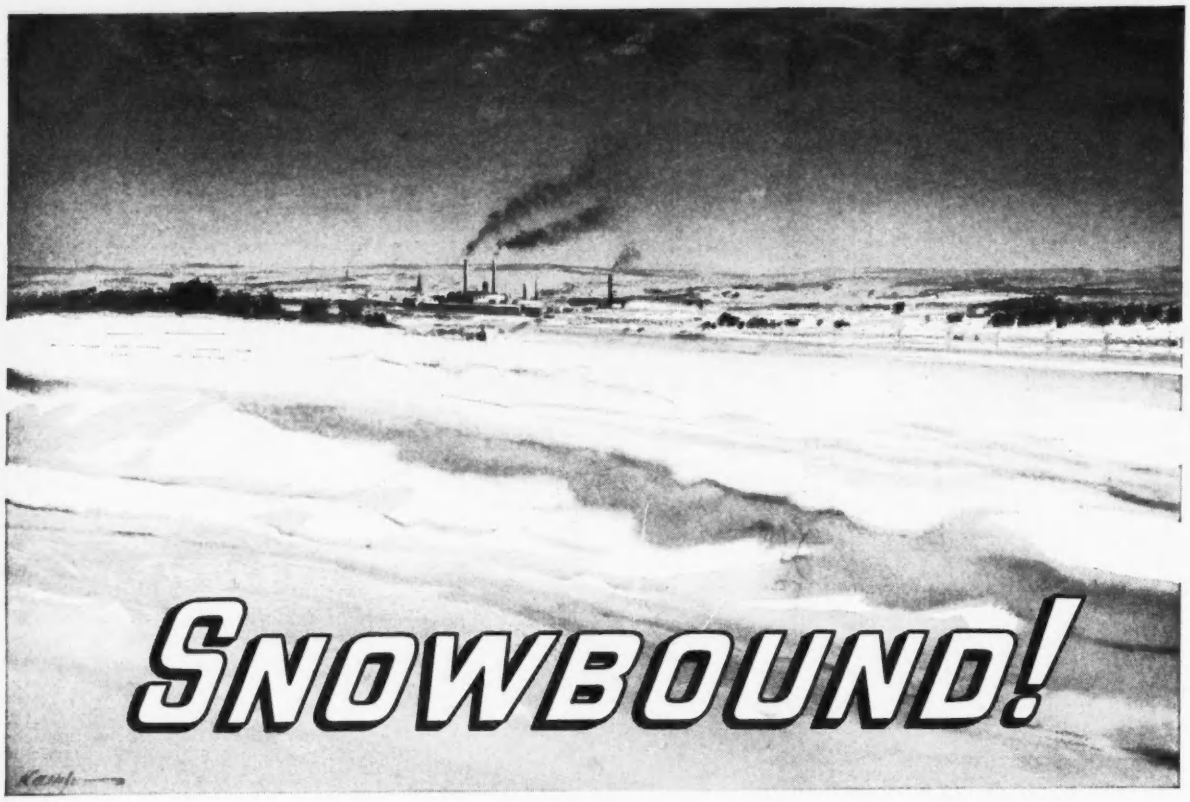
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .06¼ Nom.
semirfd., solid, 122-124 A.m.p., bgs..lb. .06½ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 98%, 55 and 100 gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs....lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower, herb, bls.....lb. .08 - .09
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .28 - .29
Pennyroyal leaves, bls.....lb. .15 - .16
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Aleppey, bgs....lb. .07¾- .08¼
Lampong, bgs.....lb. .0420- .0435
Tellicherry, bgs.....lb. .07¾- .08
Red, chillies, Japan, Hontaka..lb. .17 - .17½
Mombassa, bgs.....lb. .28 - .29
White, Java, Muntok, bgs....lb. .07¼- .08
Singapore, Muntok.....lb. .07¼- .07½
Peppermint leaves, dom., bls..lb. .35 - .40
import, bls.....lb. .45 - .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md. N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .95 - 1.00
Petrolatum, amber, dms., c.l..lb. .03¼- —
l.c.l. .....lb. .04¼- —
amber, extra, dms.....lb. .03⅜- —
l.c.l. .....lb. .04⅜- —
veterinary, dms., c.l.....lb. .03⅞- —
white, cream, dms., c.l.....lb. .04½- —
l.c.l. .....lb. .06 - —
lily, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .07 - —
snow, dms., c.l.....lb. .06½- —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California .....bbl. .60 - 1.75
Canada .....bbl. 2.10 - 2.17
Central West:—
Illinois .....bbl. .53 - 1.00
Lima .....bbl. .90 - —
Michigan .....bbl. .82 - 1.02
Princeton .....bbl. 1.05 - —
East Texas.....bbl. 1.10 - —
Gulf Coast.....bbl. .74 - 1.41
Kentucky, Tennessee.....bbl. 1.02 - 1.10
Louisiana, Arkansas.....bbl. .73 - 1.20
Mexico .....bbl. No prices
Midcontinent:—
North Texas.....bbl. .51 - 1.10
Oklahoma-Kansas .....bbl. .58 - 1.10
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ....bbl. 2.75 - —
Corning .....bbl. 1.17 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.70 - —
Eureka lines.....bbl. 2.34 - —
N. Y. Transit lines, bbl. 2.75 - —
S. W. Penn lines...bbl. 2.40 - —
lower district in National Transit lines.bbl. 2.63 - 2.75
Rocky Mountains.....bbl. .51¼- 1.30
South Central and Southwestern Texas..bbl. .73 - 1.37
Texas Panhandle.....bbl. .67 - .96
West Texas.....bbl. .53 - .96
Ether, 30-60°, dms., c.l., G.3, gal. .14½- —
l.c.l., G.3.....gal. .25½- —
tanks, G.3.....gal. .12½- —
35-60°, dms., l.c.l., G.3....gal. .30½- —
40-75°, dms., c.l., G.3....gal. .14½- —
l.c.l., G.3.....gal. .25½- —
tanks, G.3.....gal. .12½- —

Petroleum Ether—Pot. Bromide

Petroleum, ether, laboratory grade, dms., c.l., G.3..gal.	.14½-	—
c.l., G.3.....gal.	.25½-	—
10-gal. lots, G.3.....gal.	.50½-	—
Lacquer, diluent, at refinery:—		
California, 100 i.b.p., 200 e.p., tanks, dlvd. Los Angeles..gal.	.11 -	—
San Francisco..gal.	.11½-	—
f.o.b. Richmond.....gal.	.11 -	—
Willbridge, Ore., Ft. Wells, Wash..gal.	.12 -	—
East Coast, tanks.....gal.	.09½-	.10
Group 3, toluol type, tanks, gal.	.07⅝-	—
benzol type, tanks.....gal.	.07⅞-	—
Naphtha, cleaners', at refinery:—		
East Coast, tanks.....gal.	**.09 -**	**.10⅛**
Group 3, tanks.....gal.	**.06⅝-**	**.07**
tankwagon, Boston, ex tax, gal.	**.13½-**	**—**
Bridgeport .....gal.	**.13½-**	**—**
Chicago, inc. 4c. tax..gal.	**.18 -**	**—**
Decatur, inc. 4c. tax..gal.	**.1910-**	**—**
Des Moines, inc. 4c. tax, gal.	**.1890-**	**—**
Evansville, inc. ex tax.gal.	**.15 -**	**.16**
Milwaukee, inc. 5c. tax, gal.	**.2030-**	**—**
Minneapolis-St. Paul, inc. 5c. tax..gal.	**.20½-**	**—**
Newark, ex tax.....gal.	**.10½-**	**—**
New York, ex tax.....gal.	**.10½-**	**—**
Omaha, ex tax.....gal.	**.1490-**	**.1590**
Oklahoma City, ex tax.gal.	**.16½-**	**—**
Philadelphia, ex tax...gal.	**.12 -**	**—**
St. Louis, inc. 1c. tax.gal.	**.15½-**	**—**
Petroleum, naphtha, cleaners, tankwagons, Syracuse, 150 gals..gal.	.14½-	—
Syracuse, 150 gals.....gal.	**.14⅝-**	**—**
smaller lots, galv. drums, gal.	**.10 -**	**—**
milk cans.....gal.	.21 -	—
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal.	**.18 -**	**—**
2, over 90% arom., same basis..gal.	**.19 -**	**—**
3, same basis.....gal.	**.20 -**	**—**
8, tanks, f.o.b. Paulsboro, N. J...gal.	**.15¼-**	**—**
30, same basis.....gal.	**.16¼-**	**—**
40, same basis.....gal.	**.18½-**	**—**
v.m.&p., at refinery:—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal.	.11 -	—
Richmond..gal.	.11½-	—
Willbridge, Ore., Ft. Wells, Wash..gal.	.12 -	—
64-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal.	.10 -	—
San Francisco....gal.	.10½-	—
Portland, Seattle.....gal.	.11 -	—
East Coast, tanks.....gal.	.09½-	—
Group 3, tanks.....gal.	.06⅞-	.07
tankwagon, Boston, ex tax, gal.	.14½-	—
Chicago, inc. 4c. tax..gal.	.17 -	—
Des Moines, inc. 4c. tax.gal.	.1890-	—
Decatur, inc. 4c. tax..gal.	.1910-	—
Evansville, Ind., ex tax, gal.	.1520-	.1620
Milwaukee, inc. 5c. tax.gal.	.2030-	—
Minneapolis-St. Paul, inc. 5c. tax..gal.	.20 -	—
Petroleum, naphtha, v. m. & p., tankwagon, Newark, ex tax, gal.	.11½-	—
New York, ex tax.....gal.	**.10½-**	**—**
Omaha, ex tax.....gal.	**.1490-**	**.1590**
Philadelphia, ex tax...gal.	**.13 -**	**—**
St. Louis, inc. 1c. tax.gal.	**.1570-**	**—**
Solvent, rubber, at refinery, East Coast, tanks..gal.	.09½-	—
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal.	.06⅞-	.07
standard, 180 i.b.p., 288 e.p., tanks..gal.	.06⅝-	.07
Stoddard (CS 3-38), at refinery:—		
East Coast, tanks.....gal.	**.08⅝-**	**.09½**
Group 3, tanks.....gal.	**.06⅝-**	**.06½**
tankwagon, Boston, ex tax, gal.	.14 -	—
Chicago, inc. 4c. tax..gal.	.1640-	—
Decatur, inc. 4c. tax..gal.	.1860-	—
Des Moines, inc. 4c. tax.gal.	.1840-	—
Evansville, Ind., ex tax.gal.	.14 -	.15
Milwaukee, inc. 5c. tax.gal	.1980-	—
Minneapolis-St. Paul, inc. 5c. tax..gal.	.1820-	—
Newark, ex tax.....gal.	.09½-	—
New Orleans, ex tax...gal.	.11 -	—
New York, ex tax.....gal.	.09½-	—
Omaha .....gal.	.1360-	.14½
Philadelphia, ex tax...gal.	.13 -	—
St. Louis, inc. 1c. tax..gal.	.1340-	—
Tulsa, ex tax.....gal.	.10½-	.11⅛
Thinners, at refinery:—		
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles..gal.	.10 -	—
Portland .....gal.	.11 -	—
San Francisco.....gal.	.10½-	—
Seattle .....gal.	.11 -	—
Petroleum thinners at refinery:—		
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles..gal.	.10 -	—
Portland .....gal.	.11 -	—
San Francisco.....gal.	.10½-	—
Seattle .....gal.	.11 -	—
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles..gal.	.10 -	—
Portland .....gal.	.11 -	—
San Francisco.....gal.	.10½-	—
Seattle .....gal.	.11 -	—
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles..gal.	.08½-	—
Portland .....gal.	.09½-	—
San Francisco.....gal.	.09 -	—
Seattle .....gal.	.09½-	—
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles..gal.	.13 -	—
Portland .....gal.	.14 -	—
San Francisco.....gal.	.13 -	—
Seattle .....gal.	.14½-	—
East Coast, 43-47, tanks..gal.	.08⅝-	.09½
47-49, tanks.....gal.	**.10½-**	**—**
New Jersey, tanks....gal.	**.09 -**	**—**
Group 3, tanks.....gal.	.06⅞-	—
tankwagon, tax included:—		
Albany .....gal.	.13½-	—
Baltimore (100 gals.)..gal.	.14 -	—
25-99 gals.....gal.	.16 -	—
Boston .....gal.	.13½-	—
Bound Brook, North Amboy, N. J..gal.	.13½-	—
Bridgeport, Conn.....gal.	.11½-	—
Buffalo .....gal.	.15½-	—
Camden, N. J.....gal.	.10 -	.11⅛
Chicago .....gal.	.1670-	—
Decatur .....gal.	.1810-	—
Des Moines.....gal.	.1790-	—
Evansville, Ind.....gal.	.1420-	.1530
Milwaukee .....gal.	.1930-	—
Minneapolis-St. Paul...gal.	.19½-	—
Newark .....gal.	.09½-	—
New York (200 gals.)..gal.	.09½-	—
Omaha .....gal.	.1360-	.1460
Philadelphia .....gal.	.12½-	—
Pittsburgh .....gal.	.11¼-	.13½
Providence .....gal.	.12 -	—
Rochester .....gal.	.12½-	—
St. Louis.....gal.	.1470-	—
Syracuse .....gal.	.13 -	—
Trenton .....gal.	.10½-	—
Wilmington, Del.....gal.	.12½-	—
Phenobarbital, 5-lb. bots.....lb.	3.95	- —
bots. or cns., 100 lbs., spot or contract..lb.	3.60	- —
25-lb. cns.....lb.	3.85	- —
Phenol, USP, dms., c.l., works, frt. equald..lb.	.13	- —
l.c.l., same basis.....lb.	.13¾-	—
under 1,000 lbs.....lb.	.14¾-	—
tanks, works.....lb.	.12	- —
Phenolphthalein, USP, bbls., dms., 2,600-lb. lots..lb.	.85	- —
bbls., dms., kegs, 100-250 lbs., lb.	.87	- .89
yellow, fib. dms., 2,000-lb. lots, lb.	.80	- —
100-lb. fib. dms.....lb.	.83	- —
25-lb. dms. .....lb.	.97	- —
50-lb. kgs. .....lb.	.84	- —
Phenyl chloride, dms.....lb.	.17	- —
Phenylacetaldehyde, bots.....lb.	2.10	- 2.50
Dimethylacetate, cns.....lb.	14.50	-15.00
Phenyl ethyl acetate, cns.....lb.	2.45	- 2.50
Phenylethylphenyl acetate, bots., lb.	7.90	-13.00
Phenylhydrazine, base, CP, bots., lb.	4.00	- —
hydrochloride, CP., bots., works..lb.	4.00	- —
commercial, kgs., works...lb.	1.50	- —
pure, bbls., works.....lb.	2.25	- —
Phloroglucinol, CP, tins, works.lb.	20.00	-22.00
tech., tins, works.....lb.	15.00	-16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton.	4.35	- —
land pebble, 68% min., bulk, mines..long ton.	1.90	- —
70% min., bulk, mines.. long ton.	2.15	- —
Phosphate rock, Fla., land pebble, 72% min., bulk, mines, long ton.	2.40	- —
75% basis, 74% min., bulk, mines..long ton.	2.90	- —
Tenn., 72% bulk, mines, long ton.	4.50	- —
75% bulk, mines..long ton.	5.50	- —
Phosphorus, red, cs.....lb.	.40	- .44
yellow, dms.....lb.	.18	- .20
cases .....lb.	.23	- .25
Oxychloride, cyls.....lb.	.15	- .18
Pentoxide, dms., c.l., works..lb.	.11	- .12
l.c.l., dms., works.....lb.	.13	- .14
Sesquisulphide, cs.....lb.	.38	- .42
Trichloride, cyls.....lb.	.15	- .16
Phthalamide, bbls., works, tons, lb.	.35	- —
single bbls., works.....lb.	.40	- —
kgs., works.....lb.	.45	- .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R..lb.	.14½-	—
l.c.l., same basis.....lb.	.15½-	—
Pichi leaves, bgs.....lb.	.13	- .14
Pilocarpine hydrochloride, bots., vis..oz.	4.25	- 4.30
Nitrate, bots., vis.....oz.	4.15	- 4.20
Pimento, bgs.....lb.	.18¾-	.19
Pinkroot, bls.....lb.	.40	- .41
Pitch, burgundy (see B)		
Coaltar, 160° m.p., bbls., c.l., works..ton.	19.00	- —
l.c.l. .....ton.	22.00	- —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton.	23.75	-24.00
Linseed, dms.....lb.	.05	- .05¼
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, bbls.....bbl.	6.00	- 6.50
Plaster of Paris (see Gypsum).		
Pleurisy root, Southern, bls...lb.	.12	- .13
Podophyllin, dms., dlvd., E. of Miss..lb.	4.50	- 4.70
Poke root, bls.....lb.	.07	- .07½
Pomegranate bark, bgs.....lb.	.52	- .53
Root bark, bgs.....lb.	.47	- .49
Poppy flowers, red, bls.....lb.	.90	- 1.00
Seed, Dutch, bgs.....lb.	.13¼-	.13½
Hungarian, bgs.....lb.	No stocks	
Potash abietate.....lb.	.06	- —
Acetate, tech., bbls., dlvd...lb.	.26	- —
kgs., dlvd.....lb.	.28	- —
USP, bbls., 250 lbs.....lb.	.28	- —
kgs., 100 lbs.....lb.	.30	- —
cns., 25 lbs.....lb.	.32	- —
Arsenite, USP, solut., cbys., 100 lbs..lb.	.11	- —
demj., 50 lbs.....lb.	.12	- —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb.	No prices	
kgs., 100 lbs.....lb.	No prices	
gran., bbls., 250 lbs.....lb.	No prices	
kgs., 100 lbs.....lb.	No prices	
Bichromate, spot., c.l., works, lb.	.08¾-	—
6 casks or 10 bbls., or over, works..lb.	.09	- —
5 casks or 9 bbls., or less, works..lb.	.09¼-	—
Bromide, USP, gran., bbls. 500 lbs..lb.	.31	- —
fib., dms., 100 lbs.....lb.	.32	- —



But Operating As Usual . . . Thanks To SKELLY SERVICE!

SKELLYSOLVE *in the* OIL, PAINT *and* DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for every laboratory and industrial use. We furnish a complete line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved of great value. Write or wire for full information today.

A USER of solvents in a northern city was once forced to shut down because heavy snowstorms made it impossible to get tank cars switched into the plant. Each winter since then had been overshadowed by the dread possibility of a repetition of this costly experience.

Then Skelly entered the picture, and the problem was solved. Each fall we place an emergency stock of Skellysolve in our bulk plant located in that city. In case of a severe storm crippling railroads and interfering with switching, there is a reserve supply of solvent in our bulk plant ready for quick local delivery to keep the customer's plant in operation, a constant protection against costly shutdown.

Of course, snowstorms may not be your problem. But undoubtedly there are times when *dependability of supply* is just as important to you as it is to the firm indicated above. Skelly has many *different* ways of assuring you of this *dependability*.

The quality of the product is important, too, of course! But it's in going *beyond* this point that Skelly has built its reputation. No service has proved itself until it has demonstrated its ability to *function in emergencies!* Solving intricate technical problems for users, sending out trained "trouble shooters" when unforeseen difficulties develop . . . that's how Skellysolve has given meaning to the familiar phrase: "Dependable Skelly Service!"

So . . . no matter what type of solvent you are now using, take the time to investigate Skellysolve!

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.

A. Ernest MacGee, *Manager*

WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Potash, carbonate, calc., dms., c.l., works	lb.	.06½-	—
l.c.l., same basis	lb.	.06¾-	—
hydrated, 83-85%, bbls., c.l., works	lb.	.05¼-	—
l.c.l., same basis	lb.	.05¾-	—
liquid, dms., c.l., works, frt. alld.	lb.	.03	- —
l.c.l., dms., same basis	lb.	.03125-	—
tanks, same basis	lb.	.0275-	—
USP, gran., bbls., 325 lbs.	lb.	.14	- —
powd., bbls., 325 lbs.	lb.	.19	- —
kgs., 100 lbs.	lb.	.21	- —
Caustic, flake, 88-92%, dom., c.l., works	lb.	.07	- —
l.c.l.	lb.	.07¼-	.07⅛
import, dms.	lb.	No prices	
liquid, 45% basis, dms.	lb.	.03½-	.03¾
tanks		.02⅞-	—
solid, 88-92%, dom., dms., c.l., works	lb.	.06¼-	—
l.c.l.	lb.	.06½-	.06⅝
import, dms.	lb.	No prices	
Chlorate, cryst., kgs.	lb.	.10¼-	.13
gran., kgs.	lb.	.12	- .14½
powd., kgs.	lb.	.10	- .12½
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04	Nom.
Chromate, kgs.	lb.	.24	- .27
Citrate, USP., gran., bbls., 250 lbs.	lb.	.33½-	—
kgs., 100 lbs.	lb.	.34½-	—
cns., 50 lbs.	lb.	.35½-	—
cns., 25 lbs.	lb.	.37½-	—
Cyanide, cns., dms.	lb.	No prices	
Cyanide, gold, 11% gold, bots., works	oz.	14.20	-14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots	lb.	1.00	- —
100-lb. lots	lb.	1.10	- —
50-lb. lots, cbys., or cns.,	lb.	1.15	- —
25-lb. lots, cns.	lb.	1.25	- —
Guaiacolsulphonate, fib., dms., 100-lb. lots	lb.	1.60	-1.65
cns., 25 lbs.	lb.	1.75	- —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs.	lb.	.32	- .34
Hypophosphite, cns., 100 lbs.	lb.	.72	- —
25 to 50 lbs.	lb.	.75	- —
Iodate, bots., 5 lbs.	lb.	3.31	- 3.35
cns., 25 lbs.	lb.	3.20	- —
Iodide, bbls., 250 lbs.	lb.	1.35	- —
bots., or cns.	lb.	1.44	- 1.70
dms.	lb.	1.35	- 1.38
Kainit, 20% K_2O, bulk, ex-vessel, Atlantic or Gulf ports	ton.	12.25	- —
Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports	unit-ton.	.53¼-	—
import, 80% K_2O, bulk, ex-vessel, Atlantic or Gulf ports	ton.	17.55	- —
Metabisulphite, kgs.	lb.	.13	- .15
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton.		.53½-	—
import, all strengths, min. 60% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports	ton.	26.75	- —
60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	32.10	- —
Potash muriate prices in bags are $2 per ton higher than bulk price.			
Oxalate, pure, cryst., kgs.	lb.	.30	- .31
tech., bbls.	lb.	.25	- .26
Nitrate, crude, bgs., c.i.f. ports.	ton.	55.00	Nom.
Perchlorate, kgs., works	lb.	.09½-	.11
Permanganate, tech., dms.	lb.	.18½-	.19
Prussiate, red, bbls.	lb.	.38	- .45
Yellow, bbls.	lb.	.15	- .16
Ricinoleate, tech., bbls.	lb.	.13	- —
Silicate alkaline, lumps, bgs.	lb.	.07	- —
Sulphate, NF, cryst., 400 lbs., bbls.	lb.	.18	Nom.
100 lb. kgs.	lb.	.20	- —
powd., 350 lbs., bbls.	lb.	.19	Nom.
100 lb. kgs.	lb.	.21	- —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports	ton.	36.25	- —
Xanthate, dms., c.l.	lb.	.12	- —
l.c.l.	lb.	.13¼-	—
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt.	ton.	24.75	- —
Potash titanium oxalate, 350-lb. bbls.	lb.	.40	- —
100-lb. dms.	lb.	.45	- —
Prickly ash bark, bls.	lb.	.15	- .16
Berries, bgs.	lb.	.30	- .35
Prince's pine herb, bls.	lb.	.22	- .23
Propane, tanks, Group 3	gal.	.03¾-	.04
Psyllium seed (see Fleaseed).			
Pulsatilla, bls.	lb.	.30	Nom.
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works	lb.	.03½-	—
less than 3, works	lb.	.04½-	—
F and 1, bbls., 3 or over, works	lb.	.04	- —
less than 3, works	lb.	.04½-	—
O, O-½, O-¾, and ⅛, bbls., 3 or over, works	lb.	.04½-	—
less than 3, works	lb.	.04½-	—
Ital.-grd., bgs., c.l., ship., ex dock, N.Y.	ton.	39.00	Nom.
l.c.l., 5-29 tons, ex whse.	ton.	44.00	Nom.
1,000-10,600 lbs., ex whse.	ton.	46.00	Nom.
2 bgs., to 1,000 lbs., ex whse.	ton.	48.00	Nom.
single bgs., ex whse.	ton.	60.00	Nom.
Pumpkin seed, bgs.	lb.	.10	- .11
Purple lake (see Red).			
Putty, com'l, dms.	100 lbs.	3.15	- —
linseed oil, raw, dms.	100 lbs.	5.00	- —
refined, dms.	100 lbs.	5.50	- —
standard, dms.	100 lbs.	4.20	- —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless.	gal.	7.15	- 7.50
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless.	gal.	10.65	-11.00
Flowers, coarse, grnd. (g.d.p.)			
Japan, bgs., frt. alld., 15 tons or over	lb.	.33	- .36
fine powd. Japan, bbls., ton lots frt. alld.	lb.	.35	- .37
Pyridin, denaturing, dms.	gal.	1.71	- —
refd., 2°, dms.	lb.	.51	- —
Pyrites, Spanish, bulk, c.i.f. Atl. ports	unit-ton.	.12-.13	Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins	lb.	2.15	- 2.40
resublimed, fib. dms., tins	lb.	4.60	- —
Pyrophylite, standard, 200 mesh, c.l., mines	ton.	9.00	- —
325 mesh, same basis	ton.	12.00	- —
No. 3, 200 mesh, c.l., mines	ton.	7.50	- —
325 mesh, same basis	ton.	10.50	- —
Pyroxylin scrap, amber, cs., works	lb.	.12	- —
black, cs., works	lb.	.10	- —
China white, ivory, cs., works.	lb.	.13	- —
dense white, cs., works	lb.	.10	- —
gray, cs., works	lb.	.08	- —
mixed, mottles, opaque, cs., works	lb.	.04	- —
shell-demi, cs., works	lb.	.12	- —
translucent pastels, cs., works	lb.	.10	- —
transparent, cs., works	lb.	.20	- —
colors, cs., works	lb.	.12	- —
shavings, amber, cs., works	lb.	.16	- —
colors, mixed, cs., works	lb.	.10	- —
white, cs., works	lb.	.15	- —

Q

Quassia chips, bls.	lb.	.05	- .06
Quebracho extract, liquid, 35% tan, bbls., works	lb.	.04	- —
tanks, works	lb.	.03½-	—
solid, 65%, bgs., c.l., ex dock, plus duty	lb.	.04½-	—
clarified, 64%, bgs., c.l. same basis	lb.	.04¾-	—
Queen of the meadow leaves, bgs.	lb.	.07	- .08
Root, bgs.	lb.	.10	- .11
Quercitron, extract, liquid, 51°, bbls.	lb.	.03½-	.09½
solid, dms.	lb.	.11	- .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y.	flask.	171.00	- —
European, flasks (76 lbs. net). c.i.f., N. Y., incl. war risk insurance	flask.	207.00	- —
ex store	flask.	200.00	- —
Quince seed, bgs.	lb.	1.10	- 1.15
Quinidine, cryst., small, cns.	oz.	1.01	- —
large, cns.	oz.	1.03	- —
powd., precip., cns.	oz.	.96	- —
Sulphate, cns.	oz.	.69	- —
Subject to surcharge of 3c. per oz.; see note under Quinine.			
Quinine, 100 ozs., cns.	oz.	.80	- —
Acetate, cns.	oz.	1.02	- —
Arsenate, cns.	oz.	1.02	- —
Arsenite, cns.	oz.	1.04	- —
Bisulphate, cns.	oz.	.57	- —
Citrate, cns.	oz.	.75	- —
Dihydrobromide, bots.	oz.	.78	- —
Dihydrochloride, bots.	oz.	.78	- —
Ethylcarbonate, cns.	oz.	.80	- —
Ferrocyanide, cns.	oz.	1.04	- —
Formate, cns.	oz.	.97	- —
Glycerophosphate, cns.	oz.	1.17	- —
Hydrochloride, cns.	oz.	.72	- —
Hydrochlorosulphate, cns.	oz.	.78	- —
Hydroiodide, cns.	oz.	1.02	- —
Hypophosphite, cns.	oz.	1.03	- —
Phosphate, cns.	oz.	.86	- —
Salicylate, cns.	oz.	.76	- —
Sulphate, USP, X, cns.	oz.	.57	- —
USP, XI, cns.	oz.	.64	- —
Sulphocarbonate, cns.	oz.	1.03	- —
Tannate, cns.	oz.	.60	- —
Tartrate, cns.	oz.	1.00	- —
Valerate, cns.	oz.	.96	- —
Quinine buyers must pay a surcharge of 3c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.			
Quinine-urea hydrochloride, cns.	oz.	.78	- —
Subject to surcharge of 3c. per oz.; see note under Quinine.			

R

R, salt, dry, bbls.	lb.	.55	- —
paste, dms.	lb.	.52	- —
Rapeseed, Belgian, bgs.	lb.	.07½-	.08
Dutch black, bgs.	lb.	.07	- .07¼
red, bgs.	lb.	.12	- .12¼
Japanese, bgs.	lb.	.06½-	.07
Raspberries, dried, bls.	lb.	.60	- .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.10	- 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.	lb.	.60	- —
smaller lots, same basis.	lb.	.95	- —
kgs., ton lots, same basis.	lb.	.95	- —
smaller lots, same basis.	lb.	1.00	- —
light shade, bbls., ton lots, same basis	lb.	.75	- —
smaller lots, same basis.	lb.	.80	- —

Products of a Healthy Vine

Products of the factory too, reflect the source from which they spring. They show the care taken in their production and the quality of the materials used in making them. The quality of Niagara Caustic Potash, Caustic Soda and Carbonate of Potash is reflected in the products of Niagara's many customers throughout the country. Make Niagara your headquarters for these important materials.

Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

A LITTLE BIT BRINGS BACK A LOT

Cyanamid's TSPP Anhydrous

Cyanamid's Tetra Sodium Pyrophosphate has properties that give *new selling power* to soaps, cleaning compounds and many other detergents.

Among the advantages it imparts to products in which it is used are—increased sudsing, detergent, water softening and emulsifying powers.

Moreover, it is so powerful in its action that *a little goes a long way.* It can be used *sparingly* and is, therefore, surprisingly economical as well as effective.

Give *your* products the benefit of the remarkable properties of this detergent aid —low pH, high water softening and emulsifying power, freedom from odor, ready solubility and unusual stability in water solutions. A leaflet describing the special advantages and uses of Cyanamid's TSPP Anhydrous will be mailed to you on request.

American Cyanamid & Chemical Corporation

30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Red, cadmium, lithopone, light shade, kgs., ton lots, same basis..lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis. lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis. lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis. lb. .90 - —
kgs., ton lots, same basis. lb. .90 - —
smaller lots, same basis. lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts.lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.. lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .08¼- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.....lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04¾- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05¾- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purpjle lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.46 - 2.81
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms.., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.75 -10.00
Rhubarb, bots.....lb. .60 - .65
powd., bbls., kgs.....lb. .65 - .70
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .23¾- —
smaller lots.....lb. .24¼- —
powd., bbls., 5,000 lbs., 1 ship't. lb. .23¾- —
smaller lots.....lb. .24¼- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 2.75
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08
Rosin, gum, bbls., ex dock 280 lbs. 5.10 - —
D, bbls.....280 lbs. 5.25 - —
E, bbls.....280 lbs. 5.65 - —
F, bbls.....280 lbs. 5.75 - —
G, bbls.....280 lbs. 5.85 - —
H, bbls.....280 lbs. 5.90 - —
I, bbls.....280 lbs. 6.00 - —
K, bbls.....280 lbs. 6.15 - —
M, bbls.....280 lbs. 6.50 - —
N, bbls.....280 lbs. 6.70 - —
W. G., bbls.....280 lbs. 6.75 - —
W. W., bbls.....280 lbs. 7.35 - —
X, bbls.....280 lbs. 7.35 - —
Rosin, wood, bbls.....280 lbs. 4.65 - 6.40
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.23.50 Nom.
l.c.l., f.o.b. mines.....ton.37.50 Nom.
Rue, bls.....lb. .14 Nom.
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .29 - .30
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.28.00 -30.00
Safrol, cns.....lb. 1.05 - 1.10
dms.....lb. 1.00 - 1.05
Sage, Dalmatian, stemless.....lb. .08¾- .09¼
garden, bls.....lb. .09¾- .10
Sago flower, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib, dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton.13.20 -13.38
l.c.l., bgs., dlvd., N.Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works. ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons. 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.135.00 -145.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls.....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .14 - .15
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .18⅝- —
smaller lots.....lb. .19½- —
kegs, 5,000 lbs., 1 shipm't..lb. .19⅛- —
smaller lots.....lb. .19⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases.....lb. 1.75 - —
Senega root, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .14 - .15
siftings, bgs.....lb. .13 - .14
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .85 - .90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .25 - .26
dlvd., Boston.....lb. .25½- .26½
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
refd., bbls., f.o.b., N.Y.....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .19½- —
Orange, D.C., VSO., Diamond I, cases..lb. .25½- .26
Superfine, bgs., f.o.b. Bost., N. Y..lb. .14½- —
dlvd., Chicago.....lb. .15 - .15½
Pacific Coast.....lb. .17½- .18
T.N., bgs., f.o.b. Bost., N.Y.lb. .13½- —
dlvd., Chicago.....lb. .14 - .14½
Pacific Coast.....lb. .16½- .17
Varnish, Metro., area, orange, 5-lb. cut., bbls., gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .84¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26⅞- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .22
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works.lb. .71 - .90
Antimoniate, bbls., dvl.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¾- .09¾
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Soda ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.33 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.05 - 1.06
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.06
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport) Ga., Minn., Mo. (except St. Louis) N. and S.C., and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 98° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wyo.
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works.. lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¾- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
66 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
solution, 86 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l. bbls., works.100 lbs. 1.65 - —
44 deg., bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms.. 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works...lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23¼
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100lb. lots.....lb. .25 - —
Citrate, USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 50%, cs.....lb. No price

Red, Cad.—Soda Sesquicarb.

Soda, cyanide, gold, 40% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
white, 90%, bbls., c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07⅝- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.50
2,500 to 5,000 lbs., bgs., works...100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.20 - —
bots.....lb. 2.41 - 2.47
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N. Y....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200 lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. price range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works....100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts.....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts.....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Soda, Sesquisil.—Talc.

Soda, sesquisilicate, dms., c.l., works	100 lbs.	2.90 - —
10 dms. or over, dlvd. N. Y. C.	lb.	4.00 - —
1-9 dms.	lb.	4.25 - —
Silicate, 40° turbid, dms., c.l., works	100 lbs.	.80 - —
l.c.l., 5 or more, works	100 lbs.	1.05 - —
1 to 4, works	100 lbs.	1.20 - —
52°, dms., c.l., works	100 lbs.	1.40 - —
l.c.l., 5 or more, works	100 lbs.	1.65 - —
1 to 4, works	100 lbs.	1.80 - —
Silicofluoride, dom., bbls.	lb.	No prices
import., bbls.	lb.	.07¼- .07¾
Stannate, dms.	lb.	.31½- .34½
Stearate, lump, powd., bbls., works	lb.	.19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works	100 lbs.	1.45 - 1.65
5 tons or over, works	100 lbs.	1.70 - 1.90
less than 5 tons, works	100 lbs.	1.95 - 2.15
cryst. (see Glauber's salt).		
Sulphide, cryst., bbls., c.l., works	100 lbs.	2.25 - —
l.c.l., 5 tons or over., dlvd.,	100 lbs.	2.75 - —
less than 5 tons, dlvd.,	100 lbs.	3.00 - —
solid, bbls., c.l., works	100 lbs.	3.00 - —
l.c.l., 5 tons or over, dlvd.,	100 lbs.	3.50 - —
Soda, sulphide, solid, bbls., l.c.l., less than 5 tons, dlvd.,	100 lbs.	3.75 - —
cryst., bgs., 100 lbs., works	lb.	2.10 - 2.35
bbls.	100 lbs.	2.30 - 2.55
Sulphite, powd., bbls., c.l.,	100 lbs.	5.25 - —
l.c.l., 5 or more	100 lbs.	5.50 - —
1 to 4	100 lbs.	6.00 - —
Sulphocarbolate, cs.	lb.	.27 - .28
Sulphocyanide, dms., cns.	lb.	.28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works	lb.	.05½- —
l.c.l., works	lb.	.06 - —
single dm. lots, works	lb.	.08 - —
tanks, works	lb.	.04½- —
Sulphoricinoleate, bbls.	lb.	.12 - —
Thiosulphate (see Hyposulphite).		
Tungstate, CP, kgs.	lb.	No prices
tech., kgs.	lb.	No prices
Solvent, naphtha, dms., wks.	gal.	.32 - —
tanks, E. of Omaha, frt. alld.,	gal.	.27 - —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.27 - —
High-flash, dms., works, frt. alld.	gal.	.31 - —
tanks, same basis	gal.	.26 - —
Sorbitol, com'l, solut., dms., c.l., works	lb.	.15½- —
l.c.l.	lb.	.16 - —
Soybean protein, bgs., c.l., works,	lb.	.13¾- —
l.c.l., works	lb.	.14 - —
Sparteine sulphate, cns.	oz.	1.50 - 1.60
Spearmint leaves, bls.	lb.	.28 - .29
Spikenard root, bls.	lb.	.21 - .22
Spruce extract, reg., bbls., c.l., works	lb.	.01⅝- —
tanks, works	lb.	.01¼- —
powd., super, bgs., c.l., works,	lb.	.04 - —
super, bbls., c.l., works	lb.	.01⅞- —
tanks, works	lb.	.01⅝- —
Squawvine, leaves, bls.	lb.	.14 - .15
Squill, red, bls.	lb.	.20 - .21
white, bls.	lb.	.10 - .11
powd., bbls., bxs.	lb.	.15 - .16
St. Ignatius beans, bgs.	lb.	.45 - .46
St. John's Bread, edible, bls.,	lb.	.09 - .11
inedible, bls.	lb.	.07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago	100 lbs.	2.80 - —
dlvd., N. Y.	100 lbs.	3.15 - —
powd., bgs., f.o.b. Chicago,	100 lbs.	2.90 - —
dlvd., N. Y.	100 lbs.	3.25 - —
Potato, dom., bgs.	lb.	.05½- .06
import, bgs.	lb.	.06½ Nom.
Rice, bbls.	lb.	.07¼ Nom.
Sweetpotato, bgs.	lb.	.05¼- .06
bbls.	lb.	.06 - .06½
Wheat, thick, boil, bgs.	lb.	.05¼ Nom.
Starch, iodide, bots.	lb.	1.87 - —
Staveacre, seed, bgs.	lb.	.28 - .30
Stearin, oleo, bbls.	lb.	.06 - .06¼
Stillingia root, bls.	lb.	.07½- .08
Stoneroot, bls.	lb.	.07½- .08
Storax, cs.	lb.	.60 - .65
Stramonium leaves, bls.	lb.	.18 - .19
Seed, bgs.	lb.	.20 - .21
Strontium bromide, fib. dms.	lb.	.57 - .58
kgs., 150 lbs.	lb.	.55 - —
Carbonate, N.F., IV, 250-lb. bbls.	lb.	No prices
tech., 99-100%, precip., bbls.	lb.	No prices
Chloride, tech., bbls.	lb.	.20 - —
Iodide, bots., 5 lbs.	lb.	3.00 - —
jars, 25 lbs.	lb.	3.06 - —
Nitrate, dom., bbls., c.l., works,	lb.	.07¾- —
25 bbls. and over	lb.	.08¼- —
1-24 bbls. and over	lb.	.08¾- —
Strophanthus seed, Kombe, bgs.	lb.	3.75 - 4.00
Styalyl acetate, bots.	lb.	6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots	oz.	.60 - —
Acetate, 25-oz. cns., 100-oz. lots.	oz.	.79 - —
Arsenate, 25-oz. cns., 100-oz. lots.	oz.	.82 - —
Arsenite, 25-oz. cns., 100-oz. lots.	oz.	.79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots.	oz.	.80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots.	oz.	.79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots.	oz.	.91 - —
Nitrate, 25-oz. cns., 100-oz. lots.	oz.	.73 - —
Phosphate, 25-oz. cns., 100-oz. lots.	oz.	.80 - —
Sulphate, cryst., cns., 100 oz. lots.	oz.	.50 - —
powd., cns., 100-oz. lots.	oz.	.40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.	lb.	.45 - —
tech., bbls., l.c.l., works.	lb.	.40 - —
Sugar coloring, bbls.	gal.	.75 - 1.45
Milk, bbls., c.l.	lb.	.16 - —
l.c.l., 10 or over	lb.	.17 - —
less than 10	lb.	.18 - —
Sulfanilamide, 5 lbs., bots.	lb.	1.70 - —
fib. dms., 1,000 lbs., 1 delivery,	lb.	1.25 - —
100 lbs.	lb.	1.30 - —
25-lb. lots	lb.	1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots.	bot.	1.25 - —
Sulphonethylmethane, kgs.	lb.	6.75 - 6.80
Sulphonmethane, kgs.	lb.	5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts.	long ton.	16.00 - —
f.o.b. steamers, Gulf ports, contract.	long ton.	17.50 - —
flowers, bgs., c.l., works	100 lbs.	3.00 - —
bbls., works	100 lbs.	3.35 - —
l.c.l., bgs., works	100 lbs.	3.35 - 3.75
bbls., works	100 lbs.	3.70 - 4.10
refined, broken, bgs., c.l., works,	100 lbs.	2.15 - —
bbls., works	100 lbs.	2.30 - —
l.c.l., bgs., works	100 lbs.	2.50 - 2.90
bbls., works	100 lbs.	2.65 - 3.05
flour, comm'l, bgs., c.l., works,	100 lbs.	1.60 - —
bbls., c.l., works	100 lbs.	1.95 - —
l.c.l., bgs., works	100 lbs.	1.95 - 1.98
bbls., works	100 lbs.	2.30 - 2.70
extra fine, bgs., c.l., works,	100 lbs.	2.35 - —
bbls., works	100 lbs.	3.20 - —
l.c.l., bgs., works	100 lbs.	3.20 - 3.60
bbls., works	100 lbs.	3.55 - 3.95
heavy, bgs., c.l., works	100 lbs.	2.55 - —
bbls., works	100 lbs.	2.90 - —
l.c.l., bgs., works	100 lbs.	2.90 - 3.30
bbls., works	100 lbs.	3.25 - 3.65
light, bgs., c.l., works	100 lbs.	2.03 - —
bbls., works	100 lbs.	3.00 - —
l.c.l., bgs., works	100 lbs.	3.00 - 3.40
bbls., works	100 lbs.	3.35 - 3.75
rock, virgin, bbls., c.l., works,	100 lbs.	2.15 - —
l.c.l., bbls., works	100 lbs.	2.50 - 2.90
roll, bgs., c.l.	100 lbs.	2.35 - —
bbls., works	100 lbs.	3.50 - —
l.c.l., bgs., works	100 lbs.	2.75 - 3.10
bbls., works	100 lbs.	2.85 - 3.25
rubber maker's, com'l, 99¾%, c.l., frt. alld.	100 lbs.	2.00 - —
bbls., same basis, c.l.,	100 lbs.	2.35 - —
refined, 100%, bgs., c.l., frt. alld.	100 lbs.	2.35 - —
bbls., same basis	100 lbs.	2.70 - —
Chloride, 55-gal. dms., c.l.	lb.	.03 - —
l.c.l., dms., works	lb.	.04 - —
10-gal. dms., c.l.	lb.	.07 - —
l.c.l.	lb.	.08 - —
Dioxide, liq., com'l, cyls., works,	lb.	.07 - .09
multi-unit, cars, works.	lb.	.04½- .07
tanks, works	lb.	.04 - .06
refrigeration, cyls., works.	lb.	.16 - .40
multi-unit cars, works.	lb.	.07½- .10
Iodide, bots., jars	lb.	3.90 - 4.05
Precipitated, USP, bbls.	lb.	.17 - .22
Sumac, grd., Sicilian, f.a.s.	ton.	130.00 - —
leaf, f.a.s.	ton.	No prices
Extract, 42°, bbls.	lb.	.06 - .06½
51°, bbls.	lb.	.07 - .07¼
stainless, bbls.	lb.	.09 - .11
Berries, bgs.	lb.	.14 - .15
Sunflower seed, Calif., large, bgs.,	lb.	.07 - .07½
medium, bgs.	lb.	.06 - .06½
poultry, bgs.	lb.	.05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.,	ton.	9.00 - —
run-of-pile, basis 16%, bulk, same basis.	ton.	8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto.	unit-ton.	.70 - —

T

Talc., dom., Calif., 1, bgs., c.l., mills.	ton.	20.00 - —
2, bgs., c.l., mills.	ton.	17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills,	ton.	14.00 -16.00
l.c.l., mills.	ton.	16.00 -1800
96-98%, 325 c.l., mills.	ton.	15.00 -17.00
l.c.l. mills.	ton.	17.00 -19.00
98-99½%, 325 mesh bgs., c.l., mills.	ton.	15.25 -17.25
l.c.l., mills.	ton.	17.25 -19.25
fibrous, 90.85-99.95%,325 mesh, bgs., c.l., mills.	ton.	17.00 -19.00
coarse, off color, bgs., c.l., mills.	ton.	11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills.	ton.	21.00 - —
l.c.l., mills.	ton.	24.50 - —
Vermont, bgs., c.l., mills	ton.	14.00 - —
l.c.l., ex whse.	ton.	25.00 - —
Canad., bgs., c.l., mills.	ton.	11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse.	ton.	45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival.	ton.	23.00 -25.00
l.c.l. ex whse.	ton.	27.50 -35.00
Italian, 1, bgs., ex dock, arrival,	ton.	67.00 -70.00
ex whse.	ton.	75.00 -78.00
2, bgs., ex dock, arrival.	ton.	64.00 -67.00

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424 Ohio Bldg., Akron, Ohio
Freeport, Texas • Apopka, Florida

Tallow, animal, edible	lb.	.05⅝	Nom.
extra, loose	lb.	.05	—
special, loose	lb.	.04⅞	—
sulphonated, 35% (24% fat). dms., c.l.	lb.	.04	—
l.c.l.	lb.	.05	—
50% (43% fat), dms., c.l.,	lb.	.05½	—
l.c.l.	lb.	.06½	—
50% (48% fat), dms., c.l.	lb.	.06	—
l.c.l.	lb.	.07	—
kegs	keg.	6.00	8.00
Tamarind, No. 1, bbls	lb.	.07	.08
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk	unit-ton.	2.75 &	.10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk	unit-ton.	3.00 &	.10
10-11% ammon., 15% b.p.l., bulk, Chicago	unit-ton.	3.25 &	.10
high-grade feeding, bulk, Chicago	unit-ton.	3.35 &	.10
import, S. Amer., 10-12% ammon., 15% b.p.l. bulk, c.i.f. ports, April shipt.,	unit-ton.	3.25 &	.10
Tansy leaves, bls	lb.	.22	.23
Tapioca flour, bgs	lb.	.02¾	.04½
Tar acid oil, 15%, dms., c.l., works	gal.	.22	—
l.c.l., same basis	gal.	.24	—
25%, dms., c.l., works	gal.	.26	—
l.c.l., same basis	gal.	.28	—
Tar, pine, retort, dms, c.l., dlvd. E. cities	gal.	.27	—
ports	gal.	.26	—
l.c.l.	gal.	.27	—
tanks, dlvd, E. cities	gal.	21.	—
Tarragon herb, bgs	lb.	.60	.65
Tartar emetic, tech., fine gran., bbls., 5 or more	lb.	.34¾	Nom.
less than 5	lb.	.35	Nom.
powd., bbls., 5 or more	lb.	.34¾	Nom.
less than 5	lb.	.35	Nom.
USP, powd., bbls	lb.	.40	Nom.
Terebene, cans	lb.	.70	.75
Terpinyl acetate, cns	lb.	.82	.85
Terpin hydrate, kgs	lb.	.60	.65
Terpineol, CP, cns	lb.	.28	—
dms	lb.	.25	—
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt.	lb.	.17	—
Terra alba (see Gypsum).			
Tetrachloroethane, dms., wks.	lb.	.06	.08¼
Tetrachloroethylene, CP, dms.	lb.	.21½	—
tech. (see Perchloroethylene).			
Tetralin, dms	lb.	.12	—
Tetrasodium pyrophosphate (see soda pyrophosphate).			
Thallium sulphate, 99% pure, bots., works	lb.	5.00	7.00
Theobromine, dms	lb.	2.25	—
Sodiosalicylate, cns	lb.	1.95	—
dms	lb.	1.75	1.80
5-lb. bots	lb.	2.11	—
Thiocarbanilide, dms	lb.	.24	—
Thorium, nitrate, cs., works	lb.	2.00	—
Thyme, French, bls	lb.	.17	.17½
Thymol, dms., 100 lbs	lb.	1.50	—
cns., 25 lbs	lb.	1.55	1.60
Iodide, kgs., 50 lbs	lb.	3.25	3.30
25 lbs	lb.	3.35	3.40
Timbo, root, powd., 4% rotenone, bbls.	lb.	.18	.24
5% rotenone, bbls	lb.	.22	.30
Tin chloride (ous), anhyd	lb.	.45½	.46
Crystals, bbls., kgs	lb.	.37	.37½
Metal, Straits	lb.	.47½	—
Oxide, bbls	lb.	.51	.53
Tetrachloride, anhyd., bbls.	lb.	.23¼	—
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd.	lb.	.13	—
l.c.l., 5 tons, E. frt. pd.	lb.	.13¼	—
Pac. Cst., ex whse.	lb.	.13¼	—
l.c.l., 1,000-9,999 lbs., E. frt. pd.	lb.	.13½	—
Pac. Cst., ex whse.	lb.	.13½	—
50-999 lbs., E. frt. pd.,	lb.	.13⅝	—
Pac. Cst., ex whse.	lb.	.13⅝	—
under 50 lbs., E. frt. pd.,	lb.	.16	—
Pac. Cst., ex whse.	lb.	.16	—
bbls., c.l. (20 tons), frt. pd,	lb.	.13¼	—
l.c.l., 5 tons, E. frt. pd.	lb.	.13¼	—
Pac. Cst., ex whse.	lb.	.13½	—
1,000-9,999 lbs., E. frt. pd.,	lb.	.13⅝	—
Pac. Cst., ex whse.	lb.	.13⅝	—
50-999 lbs., E. frt. pd.	lb.	.14	—
Pac. Cst., ex whse.	lb.	.14	—
chalk resistant, bgs., c.l. (20 tons), frt. pd.	lb.	.15	—
l.c.l., 5 tons, frt. pd.	lb.	.15¼	—
1,000-9,999 lbs., frt. pd.	lb.	.15½	—
50-999 lbs., frt. pd.	lb.	.15⅝	—
Under 50 lbs., frt. pd.	lb.	.18	—
bbls., c.l., (20 tons), frt. pd.	lb.	.15¼	—
l.c.l., 5 tons, E. frt. pd.	lb.	.15¼	—
Pac. Cst., ex whse.	lb.	.15½	—
1,000-9,999 lbs., E. frt. pd.	lb.	.15⅝	—
Pac. Cst., ex whse.	lb.	.15⅝	—
50-999 lbs., E. frt. pd.,	lb.	.16	—
Pac. Cst., ex whse.	lb.	.16	—
barium or magnesium base, bgs., c.l., D. frt. alld.,	lb.	.05¼	—
l.c.l., dlvd.	lb.	.05¼	—
Pac. Cst., ex whse.	lb.	.05½	—
under 50 lbs., E. dlvd.	lb.	.06¼	—
bbls., c.l., D. frt. alld.	lb.	.05½	—
l.c.l., E., dlvd.	lb.	.05⅝	—
Pac. Cst., ex whse.	lb.	.05⅝	—
under 50 lbs., E. dlvd.	lb.	.06¼	—
calcium base, bgs., c.l., D. frt. alld.	lb.	.05	—
l.c.l., dlvd.	lb.	.05¼	—
Pac. cst., ex whse.	lb.	.05¼	—
under 50 lbs., E., dvld.	lb.	.06	—
bbls., c.l., D., frt. alld.	lb.	.05¼	—
l.c.l., E., dlvd.	lb.	.05½	—
Pac. cst., ex whse.	lb.	.05½	—
under 50 lbs., E., dlvd.	lb.	.06¼	—
Telidin base, distilled, kgs.	lb.	.90	—
Tolu, balsam, cns	lb.	1.05	1.10
Toluidin, mixed, dms	lb.	.26	—
Toluol (toluene), 2° indus., dms., returnable.	gal.	.30	—
tanks, E. of Omaha, frt. alld.,	gal.	.25	—
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.25	—
4° nitration, dms., returnable,	gal.	.31½	—
tanks, E. of Omaha, frt. alld.,	gal.	.28¼	—
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.26½	—
Tonga vine, F, bls	lb.	.65	.70
root, bls	lb.	.65	.70
Tonka beans, Angostura, cks.	lb.	2.40	2.50
Brasilian, Surinam, cs.	lb.	.80	.90
Triacetin, dms	lb.	.26	—
Triamyl borate, dms., l.c.l., works,	lb.	.27	—
Triamylamine, dms., c.l., works,	lb.	.77	—
l.c.l., works	lb.	.78	.80
tanks	lb.	.75	—
Tributylamine, dms., c.l., works,	lb.	.67	—
l.c.l.	lb.	.68	.70
tanks	lb.	.65	—
Tributyl citrate, dms., l.c.l., dlvd.	lb.	.35	—
Phosphate, dms., l.c.l., dlvd.,	lb.	.42	—
cns., works	lb.	.46	.48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1.	lb.	.08	—
l.c.l., same basis	lb.	.08½	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½	—
l.c.l., same basis	lb.	.09	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09	—
l.c.l., same basis	lb.	.09½	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09	—
l.c.l., same basis	lb.	.09½	—

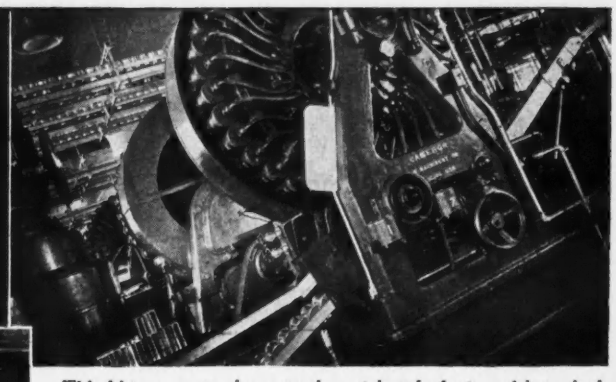
All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D. Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd.	lb.	.40½	.51½
dms., c.l., dlvd.	lb.	.34½	—
tech., dms., c.l.	lb.	.22	—
500 lbs., dms	lb.	.22½	—
less than 500 lbs.	lb.	.25½	.36½
Triethanolamine, dms., c.l., works,	lb.	.19	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.16	—
Triethylamine, dms., l.c.l., works,	lb.	1.05	—
Triethyl phosphate, dms., dlvd.,	lb.	.45	—
Triethyleneglycol, dms., l.c.l., works.	lb.	.26	—
Trimethyl phosphate, cns.	lb.	.54	.56
dms., dlvd.	lb.	.50	—
Trimethylamine, dms., c.l., dlvd.,	lb.	1.00	—
l.c.l., dlvd.	lb.	1.05	—
Triphenyl phosphate, dms.	lb.	.38	—
Tripoli, air-floated, bgs., c.l., works.	ton.	26.00	—
double grd., bgs., c.l., works.	ton.	16.00	—
once-grd., bgs., c.l., works.	ton.	14.50	—
Trisodium phosphate (see Soda phosphate, tribasic).			
Tungsten metal, powd., 99%, dms., works.	lb.	No prices	
Oxide, CP, kgs.	lb.	No prices	
Chem., grade, kgs.	lb.	No prices	
Turmeric root, Alleppey, bgs.	lb.	No stocks	
powdered, bgs.	lb.	.18	.18½
Madras, bgs.	lb.	No stocks	
Turpentine, spirits, gum, bbls., c.l., ex dock.	gal.	.33½	—
l.c.l., 10 ex dock.	gal.	.35½	—
5 ex dock.	gal.	.37½	—
wood dest., dist., dms., dlvd. E. cities, ports.	gal.	.29	.31
tanks, dlvd. E. cities.	gal.	.25	—
steam-dist., dms., c.l., dlvd.	gal.	.31	—
l.c.l., dlvd.	gal.	.34	—
tanks, dlvd.	gal.	.26	—

U

Unicorn root, false (see Helonias root). True (see Aletris root).			
Uranium oxide, black, kgs.	lb.	3.05	—
yellow, kgs.	lb.	2.00	—
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans.	ton.	85.00	—
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del.	ton.	85.00	—
less than 5 tons, f.o.b. Newark, New York, Philadelphia.	ton.	91.00	—
any quantity, f.o.b. Belle, W. Va.	ton.	85.00	—
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.	ton.	95.00	—
46% N., bgs., smaller lots, f.o.b. N. Y. from whse.,	ton.	101.00	—
purc., cs.	lb.	.13	—
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports,	ton.	121.58	—
imported, 40% N_2, bgs., Jan. shipt.	ton.	56.25	—

—Continued on page 37



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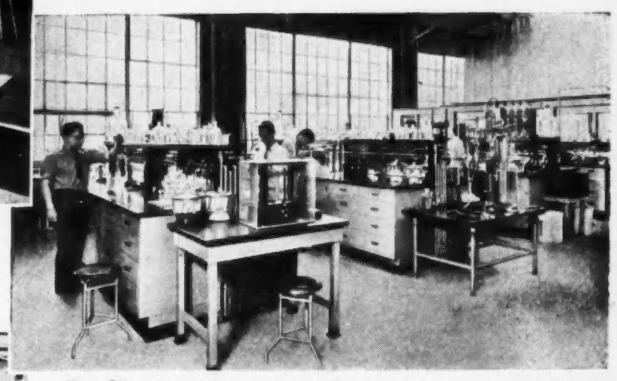
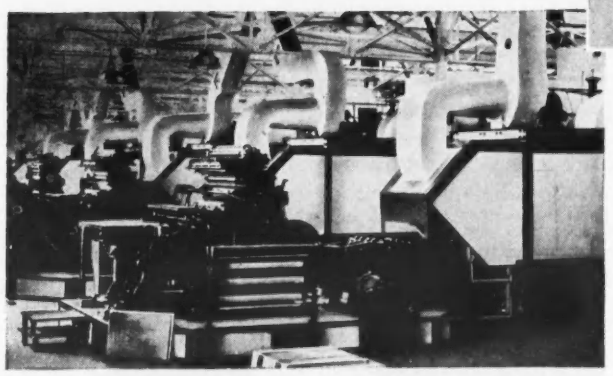


The Chemical laboratories at Philadelphia have fully equipped bacteriological, chemical and processing departments. Raw materials are subject to the most rigid inspection.



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About Consumer Movements

There is encouragement for the economic progress of the nation in the increasing interest manifested by businessmen and business organizations in the consumer movement. This interest has a long way yet to go before its object will have the first place in importance as a business problem which it merits. But, it is good that business is seeing less "Red" and more rosiness in the movement for a better understanding and a better correlation between those who supply goods and those who use them.

The consumer movement is scheduled to get substantial, serious attention in the meeting of the Chamber of Commerce of the United States this week. There is a significance, however, which should not be disregarded in the announcement that members of the chamber submitting subjects for consideration at the meeting have concerned themselves for the most part with the relations of business with government. If business gave appropriate and adequate attention to its relations with the consuming public, the problem of its relations with government would be largely eliminated. With the exception of a few of the relations in the realm of taxation, all the impact of government on business is traceable to the latter's relations to the public as customers, or investors, or workers—all of whom are consumers.

Business has much to do before it will have made a proper diagnosis of the consumer movement. Both sides have much to forget, much to get rid of, and much to learn before they will have got on the ground of common understanding and common purpose.

It is of first importance that the leaders of business and the leaders of consumer purposes—these are not always the leaders of consumer movements—get together and get acquainted with the facts and the fetiches which exist on both sides. Their purpose must be to admit faults and to omit fancies, to realize that neither pressure nor propaganda is "good medicine." When they have thus arrived at the proper common understanding they will be qualified jointly to be real leaders—and that is what is needed.

Pharmacopeial Headquarters

One of the proposals to come before the U.S.P. convention next month is designed to provide the business of producing and distributing the pharmacopeia with a headquarters office of its own. In the advocating of this proposal much is said about the desirability of "independence" —but there is some confusion in respect of what sort of dependence is to be escaped. The facts seem to indicate that the "strings" are those of generosity to a large extent.

It is commendable that those engaged in the substantial work of providing drug standards recognized by Federal and State laws should not desire to be dependent for office facilities on the generosity of individuals or of institutions of learning or other purpose. It is desirable that this quasi-governmental work not be housed by the government, for such a "housing plan" quite likely would find the "landlord" becoming intimately interested in the affairs of the "tenant." So, in the furthering of the proposal for an "independent" pharmacopeial headquarters, it is most desirable that the emphasis on reasons for the change be not laid at the wrong place.

Pharmacopeial production and distribution should have its own working headquarters. There are many reasons why this should be located in Washington. There is much to commend the development of a plan for adequately and fitly staffing the headquarters, and at least one major executive should have a reasonably assured continuity of tenure of office. This executive should be a business manager, or an executive secretary, or some such official, equipped to direct the mass of clerical, correspondence, printing, and similar work that is an important part of the producing and distributing of the pharmacopeia.

That part of pharmacopeial functioning is distinct from the work of revision. Direction of the latter is a matter of policy determined by the convention, and there is a divided question whether it would be better done if made a full-time job. As to the actual work of revision, there can be no question at this time that "independence" is not desirable; there cannot be too much assistance by the drug industry and the pharmacal profession as a whole. But, the business of getting out the pharmacopeia for practical service is big enough and important enough to have its own headquarters and its own head.

—O-P-D—

Employment Pays Interest

The first seven days of May have been designated as National Employment Week by proclamation of the President of the United States. The purpose of this designation is stated by the President to be "that interest in the welfare of all the unemployed, and especially the worker over forty, may be stimulated and employment be extended to them." A similarly observed week in 1939 is reported to have effected a substantial gain in employment. Conditions are better this year, and it is to be hoped that the results likewise will be more gratifying.

As it is with respect to many other officially or otherwise designated "weeks" of special purpose, the observance of National Employment Week should be continuous the year around. It is an economic axiom, sometimes disregarded by economists of the investment school, that the best service for business is performed by money which circulates through it—outward in return for work done; inward in return for goods supplied. It is fundamental that business thrives best on profits; that profits come only through goods sold; that goods cannot profitably be sold to those who have no money to pay for them; that money with which to buy can be supplied continuously only as payment for work done. The virtuous circle of business financing must start with the payment of money to those who work at making goods.

It is clear then that the only way to restore essential circulation of money through business is to resume the payment of money for work done by those who now are either not getting any money to spend or are being more or less adequately supplied from some artificially maintained reservoir of relief or the like. Business must pay to keep that reservoir filled—and what it should recognize is that it must also pay the watertenders and the pipeline crews. Business could accomplish the same purpose in greater degree and at less cost by creating additional buying power by employment than it can by financing any sort of artificial irrigation system.

Statistics have it that the investment cost of providing employment for one worker in business as a whole averages about $4,000; it runs as high as ten times that figure in some manufacturing industries. Those who quote these statistics seldom go on to the corollary that the larger the number of workers employed in an enterprise, the less will be the investment cost for each. It does not require an additional investment of $4,000 to add one new worker to the payroll, and whatever it does cost in wages or salary is merely "loaned" to the recipient to be spent by him and to return with interest at the rate of whatever may be the average profit.

So, it would do business good to invest more money, by way of additional employment, in the creating of more buyers of its goods. The making of this clearly profitable investment should not be confined to a single week; it should be progressively and continuously carried on.

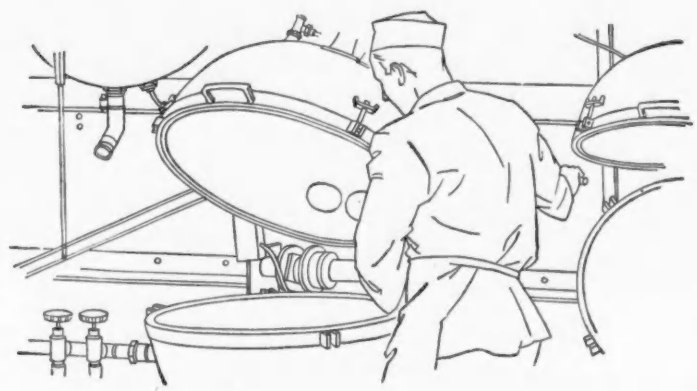
—O-P-D—

What Antitrust Laws Mean

Anything that serves to make more clear the meaning of the Federal antitrust laws is useful to business, because even the decisions of the courts leave much that is vague and uncertain in the provisions of those statutes. Business in general, and especially as it is represented in associations, will therefore find much to peruse and consider in the definitions of illegal and legal activities of a trade association submitted by the Department of Justice in the consent decree offered in the "Containers Trust" suit.

The position of trade associations under the antitrust laws has always been indefinite. Only a little improvement has been afforded in the trade practice rules which are accepted by the Federal Trade Commission. That which has remained to puzzle associations is in reality concerned with more serious matters.

Because of the recently increased activity of the Department of Justice in enforcement of the antitrust laws, the need to understand its policy has become imperative. The definitions in the containers decree will help toward this.



A Tribute to the Confectionery Industry

There are men and women yet alive who can remember when the tradition still persisted that the only really fine confections were imported confections. The astonishingly rapid growth of the domestic confectionery industry in both size and prestige has been due to the courage and integrity of the men who developed this industry with its modern high standards of quality and purity. Chas. Pfizer & Co. is proud to have served this great industry continuously, almost since its inception—and particularly proud of the fact that Pfizer's own rigidly high standards have contributed to the fine quality and purity of products which are so vitally related to the national health, especially the health of the nation's children.

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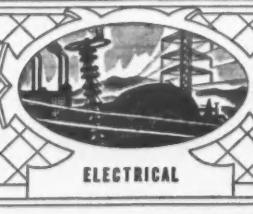

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Heavy Chemicals

Calcium Arsenate Firmer with Schedule on National Basis —Imported Soda Silicofluoride Higher — Copper Easier —Further Readjustments Made in Antimony Oxide Prices

Business in the market for industrial chemicals was spotty last week. Sellers reported a good demand on some days, while on others extreme dullness prevailed. Industrial operations were irregular, gains were made in glass and paper output, while steel, automotive and most textile operations tapered slightly. Weather conditions continued to prove detrimental to any widespread interest for seasonal chemicals. Inquiries for export were not so brisk, and the War developments further complicated shipping arrangements.

Calcium arsenate prices were firmer. A number of sellers advanced prices for car lots and less car lots, and the schedule now applies nationally with differentials eliminated for the Southern cotton states. Lead arsenate prices were more stabilized, with all factors now quoting on the basis established a short time ago by a leading manufacturer.

Imported soda silicofluoride continued to display firmness. Spot stocks were small, and with the elimination of Danish material, offerings were considerably reduced. Less car lot price for antimony oxide was lowered following the sharp decline in the car lot price recently. The range for car lots was also scaled down. The easiness in electrolytic copper failed to find any immediate reflection in prices for various derivatives.

Alums. — Moderate demand against contracts. Prices unchanged and firm.

Alumina Hydrate. — Trading conservative. No change in quotations.

Alumina Sulphate.—Firm price tone, with business moderately active.

Ammonia Aldehyde.—Demand narrow. Prices were without change.

Ammonia Anhydrous. — Inquiries better, but shipments spotty. Prices rule firm.

Ammonia, Aqua. — Commitments held close to production requirements. Prices unaltered.

Ammonia Bicarbonate. — Dealings continued routine. Prices the same.

Ammonia Bifluoride.—Market lacked any new developments.

Ammonia Carbonate. — Usual consumers provided fair demand. Prices firm.

Ammonia Fluoride. — Trading was conservative, and prices the same.

Ammonia Molybdate.—Small quantities made up the call.

Ammonia Nitrate. — Market firm, and shipments fairly steady.

Ammonia Perchlorate.—Business restricted to regular consuming channels. Prices unchanged.

Ammonia Persulphate.—Quotations firm, and interest light.

Ammonia Phosphate.—Buying was not broad, with prices well sustained.

Ammonia Oxalate. — Strong price tone, with business restricted to regular channels.

Ammonia Silicofluoride. — Prices were unchanged, and withdrawals narrow.

Ammonia Sulphocyanide.—Business dull. Prices were firm.

Ammonia Sulphide. — Demand was fair, and quotations steady to firm.

Ammoniac, Sal.—New business remained light, market position satisfactory. Prices unchanged.

Antimony.—Domestic spot metal unchanged, trading confined to small lots.

Antimony Needle.—Questions nominal, and demand quiet.

Antimony Oxide.—One factor offering less car lots at 14½c. per pound; car lots range from 11c. to 15c. per pound. Business dull.

Arsenic.—Transactions routine. No change developed in the prices.

Barium Carbonate.—Withdrawals irregular. Prices well maintained.

Barium Chlorate.—Firm price tone, with dealings narrow.

Barium Chloride.—Moderate interest for nearby requirements.

Barium Dioxide.—No new price developments. Fair inquiry.

Price Changes

Advanced

Soda silicofluoride, imp., ¼c. per lb.
Soda stannate, ½c. per lb.
Tin, Straits, ¼c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.

Reduced

Antimony oxide, l.c.l., 1¼c. per lb.
Copper electrolytic, ⅛c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.8	**150.8**	**150.8**	**147.9**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Barium Fluoride.—Quiet. Prices unchanged and firm.

Barium Fluosilicate.—Market firm. Business light.

Barium Hydrate. — Steady demand. Prices without change.

Barium Nitrate.—Prices were unchanged and firm. Demand fair.

Barium Oxide.—Consumers entered market for nearby needs as a rule.

Bleaching Powder. — Replacement buying on more conservative scale. Export inquiries less active. Prices unchanged and firm.

Calcium Acetate. — Shipments routine. Prices remain the same.

Calcium Carbide. — Moderate inquiry. Satisfactory export demand. Prices firm.

Calcium Chloride.—Business experiencing usual seasonal let-down. Some inquiries for dust control work reached market. Prices firm.

Calcium Phosphate.—Market was devoid of any new developments.

Calcium Sulphide. — Business continued quiet. Prices well sustained.

Carbon Bisulphide. — Shipments against contracts moderate. Pricewise a firm tone prevailed.

Carbon Dioxide.—Consumers exerted a satisfactory interest. Prices were firm.

Carbon Tetrachloride. — Quotations steady to firm. Shipments move at a steady pace.

Chlorine. — Outlook brighter; current shipments moderate. Market position satisfactory. Prices firm.

Chloropicrin. — Commitments confined to modest quantities. Prices unchanged.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

N.A.P.A. meeting, June 3-6, Cincinnati.
M.C.A. outing, June 6-7, Skytop.
S.O.C.M.A. outing, June 6-7, Skytop.
N.A.I.D.M. meeting, June 17-19, Lake Wawasee.

Chrome Cake. — Firm price tone, with shipments against contracts steady.

Cobalt Oxide. — Shipments limited to regular consuming channels. Prices unchanged and firm.

Cobalt Sulphate.—No new developments, and demand routine.

Copper. — Demand quiet. Custom smelters selling at 11¼c. per pound and primary producers 11½c. Export price 11.30c. per pound, with interest moderate. March domestic consumption estimated at 68,000 tons, against 65,000 tons in February and 74,000 tons in January, according to American Bureau of Metal Statistics.

Copper Carbonate. — Buying fair. Prices unchanged and about steady.

Copper Chloride. — Inquiries light. Prices unchanged.

Copper Cyanide.—Dealings routine. Prices unaltered.

Copper Oxide. — Moderate demand. No change in prices.

Copper Sulphate.—Domestic and export business continued good. Market position strong, and prices unchanged.

Copperas.—Market position strong, shipments limited to regular consuming channels. Prices rule unchanged.

Ethyl Chloride.—Transactions were routine. Quotations unaltered.

Feldspar.—Market lacked any new developments. Prices well maintained.

Fluorspar.—Prices steady to firm, with demand only moderate.

Glauber's Salt.—Withdrawals were spotty. No change occurred in the prices.

Lead Acetate.—Routine call. Prices remain at the same levels.

Lead Nitrate.—New business conservative. Firm price tone.

Lime.—Demand irregular. Fair export inquiry. Prices without change.

Magnesite.—Market received some fair size inquiries. Prices the same.

Magnesia Silicofluoride.—Not much activity. Prices unchanged.

Manganese Dioxide. — Shipments against contracts routine. Prices firm.

Nickel Salts.—Buisness spotty. Pricewise a firm tone prevailed.

Phosphorus. — Trading limited to regular channels. Prices firm.

Potash Carbonate.—Fairly steady interest against contracts. Prices rule firm.

Potash, Caustic.—Buying moderate actively. Market position firm.

Potash Chlorate. — Market firm. Supplies adequate to take care of regular consumers.

Potash Cyanide.—A leading cyanide producer offers high grade material for first time in this country. Previously supplies were obtained from Germany, but the War has reduced shipments considerably.

Potash Oxalate.—Market in strong position. Business held to regular channels.

Potash Permanganate.—Firm price tone. Steady interest against contracts.

Salt.—Prices well maintained. Some spottiness developed in the demand.

Saltcake.—Domestic and imported prices nominal. Satisfactory inquiry from paper trade.

Saltpeter.—New business less active, but market in favorable position. Prices unchanged.

Soda Acetate.—Business remained routine. Prices without change.

Soda Antimoniate.—Prices quoted 14½c. to 15c. per pound, delivered, formerly quotations were on a freight equalized basis.

Soda Ash.—Consumers made necessary replacements against contracts. Moderate export inquiry. Prices unchanged.

Soda Bicarbonate.—Steady call for moderate quantities. Prices firm.

Soda Bifluoride.—Buying only fair. Prices were the same.

Soda Bisulphite.—Business lacked much broadening. Prices rule unchanged.

Soda, Caustic.—Consumers failed to expand purchases to any extent. Market remained in satisfactory position. Good export inquiry. Prices the same.

Soda Chlorate.—A better inquiry was reported. Prices were firm.

Soda Cyanide.—Shipments moved at a steady pace. No change developed in the prices.

Soda Fluoride.—Firm price tone, with trading modest.

Soda Hydrosulphite.—Fairly steady movement against contracts.

Soda Hyposulphite. — Consumers made necessary replacements. Prices unchanged.

Soda Metasilicate.—Demand moderately active. Prices well maintained.

Soda Nitrite.—Prices remain firm, with some slackening in new business.

Soda Phosphate.—Shipments moved at a moderate pace. Quotations unaltered.

Soda Pyrophosphate.—Interest fairly steady. Prices rule firm.

Soda Silicate.—Business held at satisfactory levels. No change occurred in the prices.

Soda Silicofluoride.—Spot stocks imported small, offerings limited at 7¼c. to 7¾c. per pound. Good inquiry. Domestic business confined to regular channels.

Soda Stannate.—Prices advanced ½c., ranging from 31½c. to 34½c. per pound. Demand fairly steady.

Soda Sulphide.—Withdrawals moderately active. Prices without change.

Soda Sulphite.—Price tone firm, with shipments steady.

Strontium Salts.—Market lacked any new changes. Demand light.

Sulphur, Refined.—Demand from agricultural sources only fair, while commercial consumers made necessary replacements. Prices were firm.

Sulphur Dioxide.—Buying routine. No new price developments.

Tin Salts.—Tin crystals and anhydrous stannous chloride ½c. higher at 37c. and 45½c. per pound respectively. Straits metal 47½c. per pound. Fair demand.

Uranium Oxide.—Market was firm. Steady interest from regular channels.

Zinc Carbonate.—Buying lacked any broadening. Prices the same.

Zinc Chloride.—Shipments routine against contracts. Prices firm.

Zinc Cyanide. — Small quantities made up the call.

Zinc Fluoride.—Market quiet. Prices unchanged and firm.

Zinc Sulphate. — Fair replacement buying. Pricewise a firm tone prevailed.

Acids

A steady to firm price tone prevailed in the market for various mineral acids last week. Trading did not broaden, and buying remained on a moderate scale, but was sufficient to keep the position of most items satisfactory. Certain acids such as acetic, formic, muriatic and oxalic, were in demand for export. A little more formic was believed to be available than heretofore, but supplies of oxalic were negligible, and sellers were concentrating on taking more of domestic requirements. Nitric displayed a firm tone. Chromic was taken steadily. No new price developments occurred in gallic or tannic, but the market position remained strong. Sulphuric shipments remained at moderate levels.

Abietic.—Business narrow. Prices hold firm.

Acetic.—Interest remained fairly steady. Prices lacked any change.

Acetic Anhydride.—A moderate demand prevailed. Quotations unaltered.

Battery. — Buying routine. No change occurred in the prices.

Butyric.—Prices well maintained, with shipments steady.

Chlorosulphonic.—Market was firm; withdrawals routine.

Chromic.—Firm price tone with demand steady from regular channels.

Formic.—New business less active; better export inquiry. Prices firm.

Gallic.—Strong price tone. Withdrawals narrow.

Hydrofluoric.—Shipments fair, with prices unchanged and firm.

Lactic.—Business remained irregular. Prices were the same.

Mixed. — Usual consumers made necessary replacements.

Muriatic.—Demand moderately active. Pricewise a firm tone prevailed.

Nitric.—Firm price tone, with interest maintained at steady levels.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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Oxalic.—Market tight; sellers limited commitments to normal requirements.

Phosphoric.—Small quantities made up the call. Quotations ruled firm.

Pyrogallic. — No new price developments; market position held strong.

Sulphuric.—There was little disposition to broaden commitments. Prices were unchanged and firm.

Tannic. — Market position strong. Interest routine.

Baltimore, Apr. 24.—Dullness in the market for sulphuric acid remains unbroken, and the producers continue to report a paucity of orders. It does not appear that the stocks of acid are unduly large, but the inquiry lags for one reason because of the backwardness of the fertilizer situation, which has been retarded by the weather. The nominal quotations of acid stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum $17 per ton for 20 percent.

Insecticides

A firming in calcium arsenate prices provided the outstanding development in the market for agricultural insecticides and fungicides last week. A number of sellers advanced prices for car lots and less car lots and the schedule now applies nationally with differentials for the Southern Cotton States and territories East and West of the Rockies eliminated. Lead arsenate prices were more stabilized, all sellers were adhering to the levels initiated a few weeks previous by a leading seller. Quotations for other materials were without any new adjustments. Demand continued sluggish, heavy movements to Southern territories were restricted because of the unfavorable weather, however, sellers were looking forward to a late pickup in business.

Bordeaux Mixture.—Market dull. Prices without change.

Calcium Arsenate.—A number of sellers advanced car lot price to 6½c., while less car lots were quoted at 6¾c. per pound. Schedule now on nation-wide basis, with no separate listing for Southern Cotton States.

Lead Arsenate. — Prices generally quoted at 8½c. per pound for car lots and 9c. in less car lots, thereby eliminating previous range. Demand dull.

Methyl Bromide.—Small quantities made up the call. Prices firm.

Nicotine Sulphate. — Not much activity developed in this direction.

Paradichlorobenzene.—Demand was moderate. Prices without change.

Paris Green.—Dealings were narrow. Quotations held firm.

Soda Arsenate.—A fair inquiry was reported. Prices unchanged.

Zinc Arsenite. — Quotations unchanged, and business narrow.

Trade Briefs

Firestone Tire & Rubber Company, Akron, Ohio, has announced that production of tires at its new plant in Sao Paulo, Brazil, would begin soon.

C. K. Eggler has been transferred from Chicago to the New York office of the Sherwin-Williams Company as an assistant to B. M. Van Cleve, manager.

American Smelting & Refining Company, this city, has elected Roger W. Straus vice-chairman of the directorate. Mr. Straus was formerly vice-president and assistant to the president.

Robert S. Pearce, president and general manager of the Maqua Company, a printing and engraving concern affiliated with the General Electric Company, Schenectady, N. Y., has been named manager of publicity for the General Electric.

Antimony recovery electrolytically from antimonial gold ores is described by J. Koster and M. B. Boyer in Bureau of Mines report of investigations No. 3491. Copies of this report may be obtained free on application to Section of Publications, United States Bureau of Mines, Washington.

Sir Herbert Gepp, formerly general manager for the Electrolytic Zinc Company of Australasia, has been awarded the gold medal of the Australasian Institute of Mining and Metallurgy for 1939 in particular recognition of his development of flotation of complex sulphide ores and the establishment of the electrolytic zinc industry in Australia. Sir Herbert is now managing director of Australian Paper Manufacturers, Ltd.

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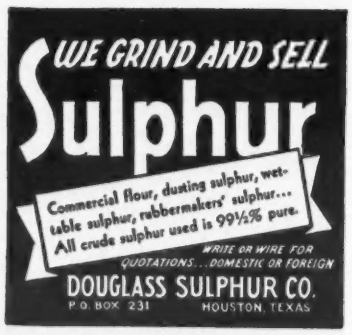
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Dyestuffs, Textile and Leather Chemicals

Prices for Leaf Sumac Withdrawn—Wattle Barks Lower—Castor, Olive and Tallow Sulphonated Oils Firmer—Myrobalans Higher—Valonia Cups Advanced Slightly

Demand for most dyestuffs, textile and leather chemicals remained narrow last week. Consumers were conservative in making replacements. Operations failed to expand in some divisions of the textile and leather industry, and consequently purchases were made with some degree of caution. Inventories were believed to be pretty well worked down from the high levels prevailing in the earlier part of the year. Price changes centered around raw tanning materials and sulphonated oils.

Prices for leaf sumac were withdrawn in view of the difficulty in obtaining supplies from primary markets. The restrictions placed on exports by the Italian government created a scarcity during the past several weeks, during which time prices advanced rapidly. African wattle bark declined, while myrobalans and valonia cups recorded moderate advances. Various sulphonated oils, including castor, olive and tallow, were uniformly higher, reflecting the higher raw material costs.

Bichromates continued to move in a steady manner, and sellers were still pressed to take care of all export inquiries. However, a slackening occurred in the resale market for export. Egg products were unchanged and steady. Corn derivatives underwent no further revision, but the market displayed a firm price tone. Natural dyestuffs were dull and unchanged.

Chemicals

Alumina Acetate.—Prices remain at the levels established during the preceding period. Business fair.

Alumina Chloride.—Business continued along conservative lines. Prices unchanged.

Ammonia Acetate. — Demand narrow. Prices unchanged and firm.

Ammonia Bichromate.—Firm price tone, with shipments narrow.

Antimony Salts.—Little interest reported, with prices nominal.

Chrome Acetate.—Modest quantities made up the call. Prices firm.

Potash Bichromate. — Shipments against contract remain steady. Less activity in resale market. Prices hold firm.

Soda Bichromate. — Good demand. some recessions noted in export inquiries. Prices firm.

Soda Prussiate.—Consumers made necessary replacements. Prices unaltered.

Sulphonated Oils.—Prices for castor, olive and tallow generally ¼c. per pound higher, reflecting higher raw material costs. Buying only fair.

Zinc Dust.—Firm price tone, with demand moderately active.

Dyestuffs

Annatto.—Small lots make up the call. Prices unchanged and firm.

Archil.—Spot stocks remain negligible. Quotations nominal.

Cochineal.—Market position strong. Offerings light and demand quiet.

Fustic.—Buying was only fair. No change occurred in the prices.

Hypernic. — Little broadening occurred in the demand. Prices ruled firm.

Indigo.—Trading narrow. No change developed in the prices.

Logwood.—Usual consumers made necessary replacements only.

Madder Dutch.—Demand dull. Quotations were without alteration.

Turmeric.—Market remained nominal. Spot stocks small, and shipments confined to regular channels.

Sizing Materials

Albumen, Blood.—Demand steady. Prices unchanged, and tone of market firm.

Albumen, Egg.—Prices were unchanged and steady. Business was fair.

Price Changes

Advanced

Myrobalans, J1, $1.50 per ton.
J2, $2 per ton.
Sulphonated, castor oil, ¼c. per lb.
olive oil, ¼c. per lb.
tallow oil, ¼c. per lb.
Valonia cups, $1 per ton.

Reduced

Wattle bark, African, $1 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
143.4	143.2	142.5	137.8

Market news that may have developed after this report was sent to press will be found on page 4.

Corn Sugar.—Bookings held at moderate levels. No further change occurred in the prices, but the market was firm.

Dextrin, Corn.—A fairly steady buying interest prevailed. Prices held at the levels established the preceding period.

Egg Yolk.—Quotations for domestic and imported were unchanged. Commitments were not large as a rule.

Sago Flour.—A steady to firm price tone prevailed. Demand moderate.

Starch, Corn.—A firm tone characterized the trading, shipments moved at a satisfactory pace in most directions.

Starch, Potato.—Market lacked any new price developments. Buying spotty.

Starch, Rice.—A moderate inquiry was reported. Prices held firm.

Starch, Sweetpotato.—Some irregularity disclosed in the demand. Prices without change.

Starch, Wheat. — Market position strong. Shipments steady.

Tapioca Flour.—No change occurred in the prices, sellers report satisfactory interest.

Tanning Materials

Chestnut Bark.—Replacements held close to production needs.

Cutch. — Moderate inquiry, with price tone firm.

Gambier. — Not much activity. Prices nominal.

Hemlock. — Buying conservative. Prices firm.

Hematine. — Demand only fair. Prices the same.

Mangrove Bark.—Prices firm, with interest light.

Myrobalans.—J1's advance $1.50 to $28.50 per ton; J2's, $2 to $24 per ton. Fair inquiry

Oakbark. — Shipments moderate against contracts. Quotations firm.

Osage Orange.—Withdrawals routine. Prices were firm.

Quebracho.—Consumers made necessary replacements as a rule.

Quercitron. — Market was without any new developments of importance.

Spruce.—Demand was conservative. Prices unchanged and firm.

Sumac.—No quotations available for leaf; ground, $130 per ton.

Valonia.—Cups, $1 higher at $38 to $39 per ton; no change in beards. Fair demand.

Wattle Bark. — Prices, $1 lower, making South African $34, while East African was $35.75 per ton. Buying narrow.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

A.L.C.A. meeting, May 27-29, Lake George, N.Y.
N.A.P.A. meeting, June 3-6, Cincinnati.
A.A.T.C.C. meeting, Oct. 18-19, New York.

Nickel Alloys Guide Issued

A general guide to the uses and properties of nickel and high nickel alloys is incorporated in an illustrated booklet just published by the International Nickel Company. In a sixteen-page, pocket size edition, this new publication, "Seven Minutes with Seven Metals," includes material on nickel, "Monel," "Inconel" and associated alloys in both mill and clad forms. Space is also devoted to the properties and uses of the metals in cast form. Altogether, there are three pages devoted to detailed tables on mechanical, chemical, and physical characteristics. Copies may be obtained at the office of the company, 67 Wall street, New York, by mentioning the REPORTER.

Wool-Like Fibers Made Of Nylon Patented

A patent covering production and processing of a crimped wool-like fiber made of nylon was issued today by the United States Patent Office. The patent was issued to John Blanchard Miles, jr., a scientist, affiliated with E. I. duPont de Nemours & Co., who assigned the patent to the company.

The nylon crimped fiber is made from the same basic elements obtained from coal, air and water as other nylon products. There is no immediate commercial production of the new fiber planned.

The patent covers the conversion of filaments formed from synthetic linear condensation polymers, particularly polyamides, into wool-like fibers by mechanical methods of "crimping" either prior to, during, or following the "cold-drawing" process which is used in manufacturing nylon yarn.

Hercules Earnings Gain

Wilmington, Apr. 24, 1940

Hercules Powder Company reports for the first quarter of 1940 net earnings of $1,742,573 after providing for depreciation and Federal taxes. This is equal, after payment of preferred dividends, to $1.22 a share on an average of 1,316,710 shares of common stock outstanding during the quarter. Figures for the first quarter of 1939 showed net earnings of $1,087,322, equal, after payment of preferred dividends, to 73 cents a share on an average of 1,316,710 shares outstanding.

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Coaltar Chemicals

Refined Naphthalene Prices Firmer — Toluol Still Scarce —Cresylic Acid Spotty — Moderate Demand for Phenol —Good Export Inquiry for Various Coaltar Colors

Interest in the market for various coaltar chemicals remained at fair levels last week. There was little disposition to anticipate requirements, and consumers made necessary replacements against contracts as a rule. New business was spotty in several items, but demand was sufficient to keep the market steady to firm. Steel operations were little changed at 60 percent of capacity. Export inquiries remained satisfactory, particularly for colors.

Effective May 1 prices for all grades of refined naphthalene will be advanced slightly to correspond with higher production costs. Domestic and imported crude were unaltered. Toluol underwent little change. The position of the market was tight and sellers were well booked up against current production. Export inquiries for nitration grade flooded the market. Benzol and xylol supplies were adequate to take care of all domestic and export demands. Cresylic acid was spotty, domestic prices held steady to firm, while an easier undertone was discernible in the imported material. Moderate interest was displayed for phenol, with export inquiries satisfactory. Pyridin continued to move steadily against contracts. Creosote oil demand was irregular.

March coke production totaled 4,259,848 tons, an increase of 2 percent over the previous month, according to the Bureau of mines. Production of byproduct coke for March was 4,124,748 tons, an increase of 3 percent over the February output. Coke was produced at 83 plants of which 79 made ammonia and 56 made benzol. Stocks of byproduct coke were 1,638,487 tons on April 1, a decrease of 67,387 tons.

Light oil recovery during March totaled 16,672,441 gallons, against 16,233,102 gallons in February and 13,884,616 gallons in March, 1939. For the first quarter output aggregated 50,335,426 gallons, compared with 39,899,937 gallons in the corresponding period a year ago. Tar output for March was 50,541,981 gallons, against 49,210,039 in February and 42,090,777 gallons in March a year ago. For the first 3 months production amounted to 141,540,610 gallons, contrasted with 120,955,404 gallons in the like period a year ago.

Price Changes

Advanced

Naphthalene, refined, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—March output 9,952,000 gallons, against 9,695,000 gallons in February and 8,063,000 gallons in March, 1939. For first quarter output totaled 31,071,000 gallons compared with 22,992,000 gallons in same period year ago. Demand moderate. Prices unchanged.

Carbazol.—Transactions were conservative as a rule. No change developed in the prices.

Coaltar.—Shipments moved against contracts in a routine manner. Pricewise a firm tone prevailed.

Creosote Oil.—Withdrawals were irregular, but sufficient to keep the market position favorable. No change occurred in the quotations.

Cresols.—Consumers entered the market for necessary replacements. Sellers adhere to previous prices.

Cresylic Acid.—New business was spotty, consumers content to make only necessary commitments. An easier tone prevailed in the imported material, with offerings from abroad lower, but interest lacking.

Naphthalene.—Effective May 1, refined ¼c. higher, making balls or flake, barrels, wholesalers or jobbers, 7c. per pound; 50-pound cases, 7¼c.; 16-ounce packages, 7¾c.; 12-ounce packages, 6¼c.; chipped, crushed, barrels, 6¼c., and rice, crystal, powdered, barrels, 7c. per pound. Crude unchanged. Demand routine. Imported quiet and unaltered.

Oil, Shingle Stain.—Fair movement. Sellers adhered to former prices.

Phenol.—Major consumers exert moderate demand. Satisfactory export inquiry. Prices without change.

Pitch, Coaltar.—Dealings narrow. No change developed in the quotations.

Pyridin.—Shipments moved at a steady pace. Prices were unchanged, and the tone of the market firm.

Tar Acid Oils.—The call remained conservative in most directions. Prices were the same, and the market was steady to firm.

Toluol.—Market tight. Sellers sold up on current production and hesitate to make forward bookings. Active export inquiry for nitration. Prices very firm.

Xylol.—Withdrawals by the lacquer trade adequate to keep market in firm position. Prices were without change.

Chicago Coaltar Bases

Purchases reported along fairly liberal lines here. Benzol business has been fairly active for some time and indications are that the market is in a firm position. Other materials of a related nature are reported moving fairly well. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Transactions conservative. Prices remain the same.

Benzoic.—Commitments held close to nearby requirements.

Broenners.—Trading lacked any new feature. Quotations were unchanged.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

N.A.P.A. meeting, June 3-6, Cincinnati.
M.C.A. outing, June 6-7, Skytop.
S.O.C.M.A. outing, June 6-7, Skytop.
N.A.I.D.M. meeting, June 17-19, Lake Wawasee.

Cleve's.—Buying routine. Pricewise firm tone prevailed.

Fumaric.—A good inquiry reported, with prices well sustained.

Gamma.—Usual consumers provided a modest call.

H.—There was little expansion in business. Prices firm.

Laurent's.—Market quiet. Prices without alteration.

Malic.—No new developments, with shipments narrow.

Maleic.—A moderate interest continued to prevail.

Picramic.—Firm price tone, with busineses fairly steady.

Picric.—Commitments confined to regular consuming channels.

Salicylic.—Demand was only fair in this direction. Prices held firm.

Succinic.—Replacements were made on a conservative scale.

Sulphanic.—No change in prices, with trading modest.

Tobias.—Buying lacked any broadening, but prices were firm.

Other Intermediates

Alphanaphthol.—Business routine. Quotations without change.

Alpanaphthylamine.—Little feature to the trading. Prices firm.

Anilin.—Prices rule firm, with commitments confined to moderate replacements as a rule.

Anthraquinone.—Consumers entered market when needs became urgent.

Benzaldehyde.—Technical grade in fair demand. Prices unchanged.

Benzidin Base.—Firmness characterized the dealings, with buying moderate.

Betanaphthol.—Developments of importance were absent.

Diethylanilin.—Shipments moderate against contracts. Prices firm.

Dimethylanilin.—Market dull. No change occurred in the quotations.

Dinitrobenzene.—Prices firm, with demand moderately active.

Dinitrochlorobenzene. — Commitments routine. Prices failed to change.

Dinitronaphthalene. — Withdrawals fair. Quotations well sustained.

Dinitrophenol.—New business remained quiet. Prices unaltered.

Dinitrotoluene. — Quotations firm, with interest steady.

Diphenyl.—There was little to report in this direction.

G. Salt.—Business routine. Prices were without change.

Metanitroparatoluidin.—Small quantities made up the call.

Metaphenylenediamine.—Trading remained on a conservative basis.

Metatoluyenediamine. — Demand strictly routine. Prices rule firm.

Nitrobenzene. — Shipments moderately active. Prices were firm.

Nitronaphthalene. — Business held close to nearby requirements.

Orthochloranilin.—Usual consumers provided a fair interest.

Orthochlorophenol. — Prices firm, and trading on a modest scale.

Orthochlobenzene. — Consumers failed to broaden commitments.

Orthonitroanilin.—Firm price tone, with business satisfactory.

Orthotoluidin. — Demand routine, with prices well sustained.

Parachlorophenol. — Fair demand prevailed, and prices the same.

Paranisidin. — The call was not very broad. Prices firm.

Paranitroanilin. — Quotations firm, with moderate inquiry.

Paranitrochlorobenzene. — Market was devoid of any new developments.

Paranitrophenol. — Prices unchanged, and trading conservative.

Paranitrotoluene. — Strong price tone. Shipments routine.

—Continued on page 32

Soda Silicate Freights Down

Albany, Apr. 20, 1940

The New York Public Service Commission has approved new commodity freight rates of the International railway on soda, silicate, carload, minimum weight as specified in tariff, from Lockport to North Tonawanda 5c. per hundredweight. Reduction from class rates. Effective May 15, 1940.

New Safety Lantern Offered By Burgess Battery Co.

The Burgess Battery Company, Freeport, Ill., is offering a No. 4 AL4 safety lantern for use in oil fields, mines, chemical plants and other places where explosive atmospheres are encountered. The new product, pictured herewith, has been approved by the Bureau of Mines and Underwriters' Laboratories, Inc.

One of the features of the lantern is a unique twin-bulb socket which permits replacing a burned-out bulb with a "flick of the thumb" and an automatic ejector throws out broken bulbs. The reflector—nontarnishing Alzak type—is covered by a heat-treated glass dome, which in turn is protected by a heavy wire guard. The body is made of bonderized steel with rust-resistant cadmium trim, and is mounted on a swivel base, which permits setting the lantern down with the light tilted at any desired angle. Both the glass dome lens and battery-compartment may be sealed on.

Insecticide Price List Issued

The Insecticide Corporation of America, Medina, N. Y., manufacturer and distributor of insecticidal materials, recently issued its 1940 wholesale price book. In addition to listing insecticides, the volume contains a wealth of information as to the plant varieties benefited by the application of the various materials, their application, and their packaging in commercial practice. Purchases of insecticides may obtain a copy of the informative booklet by addressing the Insecticide Corporation of America, Medina, N. Y., mentioning the REPORTER.

Battelle & Renwick Marks One-Hundred Years

Battelle & Renwick, Inc., refiner of sulphur, saltpeter and soda nitrate, with a plant in New Market, N. J., and executive offices in this city, is observing its one-hundredth anniversary. Started as partnership by Lewis F. Battelle and William R. Renwick to do a general merchandising business in isinglass, paint, white lead and kindred products, the business was originally located at 163 Front street, this city. The business subsequently came under the management of John G. Steenken, who established a plant in New Jersey for the refining of saltpeter and nitrate of soda, together with the grinding and refining of sulphur.

In 1902 the business was incorporated with John G. Steenken as president and general manager, and with George W. Steenken, his son, as secretary. Edgar H. Steenken, another son, was named treasurer of the company in 1913, the year in which his father died. In 1914 Edgar H. Steenken was named president and general manager of the company as well as supervisor of all manufacturing and selling, which posts he still retains.

In 1913 the company moved from 163 Front street to larger offices at 80 Maiden lane, remaining at that location until 1937, when the company moved its offices to the present location at 55 Liberty street. In 1925 the largest plant, at Essex, Warren and Morris streets, Jersey City, was destroyed by fire and the company moved its refinery to the present location at New Market, N. J., which consists of twelve acres of ground and five large manufacturing buildings.

The present officers are as follows: President, E H. Steenken; vice-president, John G. Steenken (grandson of the late John G. Steenken), who joined the company in 1925; secretary, W. A. Watt, who joined the company in 1920; and treasurer, William W. Malleson, who became associated with the organization in 1894.

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COAL TAR SOLVENTS

BENZOL—ALL GRADES
TOLUOL—INDUSTRIAL AND NITRATION
XYLOL—10° AND INDUSTRIAL
SOLVENT NAPHTHA—INCLUDING HIGH FLASH

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Phenol (82% and 90% Purity)... Cresol (U.S.P., Resin and Plasticizer Grades) ... 3° Meta Para Cresol ... Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling)... Naphthalene Shingle Stain Oil... Refined Tars... Tar Acid Oils... Pitch Coke... Industrial Coal ... Tar Pitches ... Flotation Oils ... Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials ... Waterproofing and Dampproofing Materials ... Tarmac Road Tar Materials... Bituminous-base Paints... Coal... Coke... Tanks and Tank Work... Removal and Recovery Systems... Gas Plants ... Fast's Self-aligning Couplings ... American Hammered Piston Rings ... Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 31

Paratoluidin. — Demand fairly steady. Prices were firm.

Phthalic Anhydride.—A moderate demand prevailed. Quotations firm.

R. Salt.—Transactions routine. No change in the quotations.

Schaeffer's Salt.—Business lacked any material change.

Thiocarbanilide.—Demand moderate. No change occurred in the prices.

Toluidin. — Firm price tone, with shipments steady.

Xylidin.—Consumers made moderate replacements in this direction.

Coaltar Colors

Demand for various coaltar colors was only moderate last week. Consumers made fair size replacements against contracts to take care of nearby production requirements. Business made a favorable showing with the same period a year ago, but was not believed to be much ahead. Export inquiries entered the market from numerous countries, and shipments were running well ahead of a year ago. Prices were maintained at the same levels, with the tone of the market firm.

Synthetic dyes have been imported by Guatemala chiefly from Germany during the past two years. Dyes are imported for the use of the textile factories making cotton goods and rayon piece goods, for the knitters of cotton and rayon hosiery, sweaters and underwear, for the local shirt-makers who have been importing materials in the grey for dyeing in the country, for the cleaners and dyers and for sale to the Indians for dyeing their yarn.

Dominion Tar & Chemicals Company, Ltd., Montreal, has elected L. L. Brown and A. O. Ponder vice-president and members of the directorate.

Benzol Plant Planned By Phila. Coke Co.

Pittsburgh, Pa., Apr. 23, 1940

The engineering and construction division of the Koppers Company has been awarded a contract by the Philadelphia Coke Company, Philadelphia, Pa., for the design and construction of apparatus and equipment for the production of light oils and motor fuel. Construction is to start immediately and the plant is to be completed in six months. The amount of the contract was not announced.

Coaltar Oil Freights Off

Albany, Apr. 28, 1940

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of the New York Central railroad on coal tar, crude and light oils of tank cars, minimum weight subject to Rule 35 of Official Classification, from New York and Brooklyn stations, Kings Bridge, Morris Heights, High Bridge and Westchester Avenue to Syracuse and Solvay 21c. per hundredweight, reduction 1c. Effective April 26, 1940.

Chemical Salesmen to Hold Luncheon-Meeting May 14

R. M. Burns, assistant chemical director of the Bell Telephone Laboratories, will be the guest speaker at a luncheon-meeting of the Salesmen's Association of the American Chemical Industry, to be held in the Chemists' Club, this city, May 14. Mr. Burns will speak on "Chemistry in the Telephone Industry." Phil LoBue, of Joseph Turner Co., Ridgefield, N. J., chairman of the entertainment committee, is in charge of arrangements.

Pittsburgh Coal Carbonization Company has elected Caleb Davies, jr., as vice-president in charge of tar products.

Dr. Clarence S. Sherman has been appointed an assistant professor of organic chemistry at Cooper Union, this city.

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BENZOLS
1°—2°—90% - Motor
TOLUOLS
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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-twenty-fourth Instalment

Paints

Plasticizers Used in Paints Containing Cellulose Esters or Ethers

(Continued from April 22 issue)

Menthol ethoxychloroacetate
Menthol methoxyacetate
Menthol methoxychloroacetate
Menthyl acetate
Metadinitroxylene
Methoxyacetylmenthol
Methoxyacetylsantalol
Methoxyethyl phthalate
Methyl abietate
Methyl acetylsalicylate
Methyl adipinate
Methyl azaelate
Methyl carbamate
Methyl carbanilate
Methyl dicresylphosphate
Methyl dinaphthylphosphate
Methyl diphenylphosphate
Methyl furoate
Methyl glycollate
Methyl oleate
Methyl oxalate
Methyl oxanilate
Methyl phthalate
Methyl phenoxyethylphthalate
Methyl phosphate
Methyl pimelate
Methyl sebacate
Methyl stearate
Methyl suberate
Methylacetanilide
Methylacetoxymethyl phthalate
Methylacetyltrichloroanilide
Methylanlide
Methylanilide phosphate
Methylbenzyl ether
Methylcyclohexanol
Methylcyclohexanol oxalate
Methylcyclohexanol stearate
Methylcyclohexyl acetate
Methylcyclohexyl adipinate
Methylcyclohexyl phthalate
Methylcyclohexylcarboxylic acid
Methyl-3:4-diamidobenzoic acid
Methyldiphenylurea
Methyleneglycerol
Methylenethylenic glycerol
Methylethenyltrichloroamidin
Methylglycol acetate
Methylglycol phthalate
Methylhydroxynaphthyl ketone
Methylisopropylcyclohexane
Methylisopropylcyclohexanone
Methylketobutanol
Methylnaphthyl ether
Methylnaphthyl ketone
Methyloxynaphthyl ketone
Methylpentachloroanilide
Methylphenylurea
Methylphenyluretane
Methylphthalyl ethylglycollate
Methyltetrachloroanilide
Methyltrichloroanilide
Methylurea nitrate
Methylxylenesulphonamide, normal
Mollit 1, A
Monoacetin
Monoacetochlorhydrin
Monoacetoxymethyl phthalate
Monochlorobenzylidene diacetate
Monochloronaphthalene
Monoethylacetyltrichloroanilide
Monomethylenesulphonamide
Mononitromonochlorhydrin
Naphthalene
Naphthalene benzylnitrochloride
Naphthalene bromide
Naphthalene chloride
Naphthalene nitrobromide
Naphthalene nitrochloride
Naphthalene trichloride
Naphthalenedimethylsulphonamide
Naphthaleneethylsulphonamide
Naphthol
Naphthyl acetate
Naphthyl benzoate
Naphthyl carbonate
Naphthyl diamylphosphate
Naphthyl ether
Naphthyl phosphate
Naphthyl propionate
Naphthyl thiophosphate
Naphthylanilide
Naphthylanilide phosphate
Naphthyldihydrocarvone
Naphthylphenyl ether
Naphthyl-phosphoric dianilide
Nevinol
3-Nitro-4-acetamidobenzoic acid
Nitroacetylcellulose
Nitrobenzoyl nitrate
Nitrobutylcellulose
Nitrocymene
Nitroglycerin
Nitroisobutylglycerol trinitrate
Nitronaphthalene
Nitronaphthyl acetate
Nitrophenyl compounds
Nitrotoluene
Octodecyl alcohol
Octodecyl oleate
Octyl alcohol, normal
Octylphenyl ether
Orthophthalic acid diethylester
Orthophthalic acid dimethylester
Orthophthalic acid methylglycolester
Orthotoluenemethylpyrazolon
Orthotoluenesulphonamides
Oxanilide
Oxylalkyl compounds
Oxyalphyl compounds
2:3-Oxynaphthoic acid anilide
4-Oxy-1-tertiary-butylbenzene
Palatinol A, M, C, and JC
Parachlorobenzenesulphonamide
Parachlorobenzenesulphonanilide
Paraldehyde
Paraplex
Paratoluene cresylsulphonate
Paratoluenesulphocresol
Paratoluenesulphodiethylamide
Paratoluenesulphoethylamide
Paratoluenesulphoethylanilide
Paratoluenesulphonacetanilide
Paratoluenesulphonacetethylanilide
Paratoluenesulphonamide
Paratoluenesulphonamide ethylether
Paratoluenesulphonamidoacetic acid
Paratoluenesulphonanilide
Paratoluenesulphonic acid cresylester
Paratoluenesulphonic acid ethylester
Pentacetyllevulose hexacetate
Pentacetyllevulose monoacetate
Pentacetyllevulose octacetate
Pentacetyllevulose tetracetate
Pentaerythritol acetate
Pentaerythritol benzoate
Pentaerythritol bischloroacetate
Pentaerythritol formate
Pentaerythritol maleate
Pentaerythritol nitrate
Pentaerythritol oxalate
Pentaerythritol phthalate
Pentaerythritol succinate
Phenanthrene
Phenol compounds
Phenoxyethyl phthalate
Phenyl acetylsalicylate
Phenyl benzoate
Phenyl carbonate
Phenyl citrate
Phenyl diethylphosphate
Phenyl formate
Phenyl glycide
Phenyl maleate
Phenyl paratoleuenesulphonate
Phenyl phosphate
Phenyl phthalate
Phenyl propionate
Phenyl salicylate
Phenyl tartrate
Phenyl thiophosphate
Phenylacetamide
Phenylaceto-2-naphthalide
Phenylalkyl esters of phosphoric acid
Phenylanilide
Phenylanilide phosphate
Phenylbenzyl ether
Phenylcarbamide
Phenylethyl alcohol
Phenylmethylcarbamide
Phenylparatoluenesulphoethylanilide
Phenyl-phosphoric diethylester
Phenyl-phosphoric dimethylanilide
Phenyl-phosphoric dinaphthylanilide
Phenyl-phosphoric diphenylanilide
Phenyl-phosphoric diphenylester
Phenyl-phosphoric esters
Phenylurea
Phenylurethane
Phosphoric acid esters of cresols
Phosphoric acid esters of phenol
Phthalic acid esters of aliphatic alcohols
Phthalic acid ester of 2-butyloctanol
Plasticizer PA, PM, and REA
Plastoflex
Plastoform
Plastol
Plastolin
Plastomoll
Polyalkylamides of organic acids

(To be continued)

Paint, Varnish, Lacquer Materials

Appearance of Fair Weather Prompts Interest in Outdoor Paints —Most Raw Materials Attract Consumers—Argentine Casein Advanced — Naval Stores Quiet

The appearance of mild, clear weather at midweek was a factor in improving conditions in the general market for raw paint materials last week. The improvement was noticed especially in those materials that are used in outdoor painting. Titanium pigments and zinc oxides continued their active movements and there was a satisfactory increase in the demand for dry white lead. The general dry color market was in a better statistical position, with slight gains in trade reported.

Argentine casein was advanced by a major supplier, although there were reports that the new higher price could be shaded by a considerable margin. Domestic grades were unchanged, with one producer stating the market was firm and another that it was soft. The new production of casein is expected to be a large one. English vermilion was moving routinely. One seller, who had been quoting a price much lower than all others for several previous weeks, refused to confirm that price last week. Thirteen grades of copal gum were reduced. Rosin and turpentine had a downward trend at times in Southern and local markets, this course being the result mainly of a further slowing down of demand. Receipts showed some increase.

Metallic Lead and Zinc

The activity of the market for pig lead was slowing up last week, following several previous weeks of heavy buying. Consumers were apparently well stocked and orders that were placed were mainly for small quantities. Price, however, was firm. Slab zinc was moving in routine fashion, with sales volume normal. Price was firm and unchanged.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from April 20 to April 26, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0510@.0515	$0.0495	..* .. ..
Monday	.0510@.0515	.0495	.. .. ..
Tuesday	.0510@.0515	.0495	.. .. ..
Wedn'sd'y	.0510@.0515	.0495	.. .. ..
Thursday	.0510@.0515	.0495	.. .. ..
Friday	.0510@.0515	.0495	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from April 20 to April 26, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0515	$0.0575	..* .. ..
Monday	.0515	.0575	.. .. ..
Tuesday	.0515	.0575	.. .. ..
Wednesday	.0515	.0575	.. .. ..
Thursday	.0515	.0575	.. .. ..
Friday	.0515	.0575	.. .. ..

* London exchange closed.

Pigments

Litharge. — Buying interest expanded. Shipments heavier. Price firm.

Lithopone.—Good call for stocks reported. Prices steady.

Orange Mineral.—Slight pick-up in sales. Shipments on contract routine. Price firm.

Red Lead.—Consumers more active. Deliveries heavier. No change in listed prices.

Titanium Pigments.—Demand held to good levels. Shipments steady. Prices firm and unchanged. Prominent producers reported that sales volume during first quarter was noticeably better than corresponding period of 1939.

White Lead.—Paint manufacturers heavier buyers of dry white lead. Shipments slightly larger in volume. Inquiries better. Prices firm and unchanged.

Price Changes

Advanced

Casein, Argentine, ½c. per lb.

Reduced

Gums, copal, hiroes, 5/8c. to 7/8c. per lb.
lobas, 3/8c. to 1 3/8c. per lb.
Philippines, ½c. to 1¾c. per lb.
Rosin, gum, 10c. to 15c. per 280 lbs.
Shellac, T.N., ½c. per lb.
superfine, ½c. per lb.
Turpentine, gum, ¾c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Fillers and Extenders

Barytes.—Movement of stocks normal and regular. Spot sales fair. Price firm and unchanged.

Blanc Fixe.—Market still active. Prices steady.

China Clay.—Normal deliveries reported. Inquiries more numerous. Price steady and unchanged.

Gypsum.—Market routine. Price unchanged.

Mica.—Normal deliveries. Inquiries routine. Price steady.

Woodflour.—Stocks of imported low in this country. Further supplies uncertain. Prices withdrawn.

Synthetic Resins

Ester Gum. — Contract shipments better during the past week Spot sales small. Inquiries routine. Price steady and unchanged.

Chlorinated Rubber.—No new developments reported. Market normal. Movement to consumers routine. Price firm.

Varnish Gums

Copals.—A total of 13 reductions were made. Seven lobas were lowered, the reductions ranging from 3/8c. to 1 3/8c. per pound. Hiroe nubs and chips were reduced 5/8c. and 7/8c. per pound, respectively. Reductions of four Philippine grades ranged from ½c. to 1 3/8c. per pound.

Dammars.—No changes in listed prices were made. Demand was normal.

Naval Stores

Southern and local markets were quieter last week. There were reports to the effect that the movement of rosin and turpentine into consuming

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

N.A.P.A. meeting, June 3-6, Cincinnati.
F.P.V.P.C. meeting, Oct. 28-29, Washington.
N.P.V.L.A. meeting, Oct. 30-Nov. 1, Washington.

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

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CAN YOUR GLOSS FINISHES STAND THE HI-LITE TEST?
—BE SURE —
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Play Safe!
Just any carbon black won't do! In one case the black required may have to possess dispersion qualities out of all proportion to the masstone property; in another the black may need to be more balanced. Play safe . . . call on IMPERIAL for the right grade for your particular purpose . . . and no matter which grade you specify *it's always uniform*, because of rigid laboratory control!
IMPERIAL 88
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channels was holding up fairly well but new business was along rather narrow lines, the attitude of many consumers and dealers still being conservative, especially as the war news from Europe was regarded as rather unfavorable. At Savannah further declines occurred in some grades of rosin, while turpentine sold at a drop of more than a cent per gallon despite what were regarded as indications that consumption is on a comparatively liberal scale in the face of unfavorable weather in many parts of the country in recent weeks for exterior painting. There were reports of occasional export inquiries but the political situation in Europe is such that few expect to witness any improvement in prospects for a resumption of rosin shipments to that quarter for some time to come. Weather conditions over parts of the South were still unfavorable for operations in the woods further rather heavy rains being noted while temperatures, though higher than recently, were still unseasonable.

CCC Loan Holdings

The following table shows the stocks of rosin and turpentine held April 19 by the CCC under loans on the 1938 and 1939 crops:—

	Rosin		*Turpentine,
	1938.	1939.	1939.
Savannah, bbls..	80,538	50,235	.....
drums	11	.....	.....
Jack'ville, bbls..	171,045	111,256	1,153,846
drums	.....	4,223	.....
Brunswick, bbls.	87,030	85,324	.....
drums	190	2,247	.....
Mobile, bbls.....	7,524	7,067	.....
drums	.....	2,765	.....
Pensacola, bbls..	25,448	17,066	.....
drums	.....	2,662	.....
Valdosta, bbls...	119,866	132,706	1,211,307
drums	317	27,821	.....
Wiggins, bbls...	.....	282	.....
drums	.....	4,956	.....
Estill, bbls.....	.....	696	.....
drums	.....	5,209	.....
Helena, bbls.....	.....	53,509	602,351
drums	.....	43,633	.....

* Gallons.

Mexican Gum Output Low

Throughout the production area of Durango, Mexico, the weather was extremely cold during March, and production of naval stores was not large. Estimates of the output were 13,000 gallons turpentine and 140 metric tons rosin. Monthly sales 14,000 gallons of turpentine, all shipped to United States; 245 metric tons of rosin for export to Europe; and 30 metric tons for domestic consumption. Estimated stocks March 31 were 17,500 gallons of turpentine and 316 metric tons of rosin.

Turpentine.—Quieter conditions prevailed in the local market, purchasing being limited to small or moderate quantities, with the movement of such lots lighter than in the previous week. Prices weakened with the primary market.

SAVANNAH, April 26.—Following is a record of the turpentine market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand
*Saturday	...	...	...	...	.....
Monday	29	...	69	68	7,533
Tuesday	28¼	150	352	348	7,537
Wednesday...	27¾	219	248	...	7,785
Thursday ...	27¾	89	134	...	7,919
*Friday	..	...	...	...	.....

* No trading.

JACKSONVILLE, April 24.—Turpentine receipts, 238 barrels; shipments, 156; stock, 32,660.

PENSACOLA, April 20. — Turpentine receipts for week, 196 barrels; shipments, 504; stock, 9,668.

Markets at Other Centers

Chicago—April 26

Turpentine business only moderate. Tone stable. Five-drum lots, 36c. per gallon; five wood barrels, 41c.; single drums, 39c.; single barrels, 44c.

LONDON, April 26.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

	April 26.	Previous week.	Last year.
Barrels	13,789	14,521	20,757

Rosin.—The course of quotations in the South was reflected in the local market. Business here was slow, buying being limited to comparatively small quantities for prompt shipment.

SAVANNAH, April 26.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs. *Fri.
B	...	$3.90	$3.75	$3.75	$3.85 ...
D	...	4.00	3.90	3.90	4.00 ...
E	...	4.50	4.35	4.35	4.40 ...
F	...	4.50	4.45	4.45	4.50 ...
G	...	4.65	4.55	4.55	4.60 ...
H	...	4.75	4.65	4.65	4.65 ...
I	...	4.85	4.75	4.75	4.75 ...
K	...	5.00	4.90	4.90	4.90 ...
M	...	5.25	5.20	5.20	5.25 ...
N	...	5.45	5.25	5.45	5.45 ...
WG ..	...	5.70	5.50	5.50	5.50 ...
WW ..	...	6.10	6.10	6.10	6.10 ...
X	...	6.10	6.10	6.10	6.10 ...
	Barrels				
Sales...	...	89	768	63	314 ...
Receipts.	...	804	1,369	533	460 ...
Shipments	...	295	3,789	490	... ...
Stocks...	...	...	...	...	306,558 ...

* No trading.

JACKSONVILLE, April 24.—Rosin receipts, 1,681 barrels; shipments, 4,002; stock, 307,233.

PENSACOLA, April 20. — Rosin receipts for week, 560 barrels; shipments, 420; stock, 50,703.

Markets at Other Centers

Chicago—April 26

Rosin rather slow. B grade, $7.20 per lot of 280 pounds; G grade, $8; M grade, $8.05; W.W. grade, $9.20.

LONDON, April 26.—Rosin, W.W., 35s. per cwt.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

SICO
Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

Pine Oil.—Prices maintained. Tone steady. Fair movement of moderate lots.

Pitch.—Local stocks light and prices firm. Fair request.

Rosin Oil.—Only small or moderate lots wanted. Movement fair. Quotations steady.

Tar.—Selling schedules held at previous levels. Fair movement on contracts. New business quiet.

Dry Colors

Bone Black — Material moving steadily into consuming channels. Inquiries up. Price firm.

Carbon Black.—Rubber trade still heavy buyers. Shipments at previous high levels. Prices steady and unchanged.

Chrome Green. — Market holding well. Price steady.

Chrome Yellow.—Little change in trade. Demand good. Price firm.

Iron Blues.—Demand better. Price firm.

Lake C Toner.—Consumers showing normal interest. Price unchanged.

Mercuric Oxides. — Movement of stocks slightly better following several weeks of sluggish trade. Shipments heavier. Prices firmer.

Ocher.—Contract shipments at previous level. Price steady.

Ultramarine Blue.—Material moving in satisfactory fashion. Spot sales light. Price firm.

Vermilion.—Most suppliers continued to quote $2.76 to $2.81 per pound for English vermilion. A price of $2.46 to $2.55 per pound that one prominent seller had been quoting for several previous weeks could not be confirmed last week.

Lacquer Materials

Buying showed some slackening, but volume was maintained at comparatively good levels last week. Consumers were making commitments closer to production requirements than previously, since heavy purchases were made at the end of the first quarter before prices firmed, no significance was attached to the normal leveling off in demand. Operations in most consuming lines were fairly well maintained, and prospects appeared favorable for a steady demand during the next several weeks at least. Automotive output, while showing no particular broadening, was well ahead of the same time a year ago. Pricewise the market lacked any specific feature, quotations were generally well maintained, and a firm tone governed the transactions.

Acetone.—Moderate demand. Good export inquiry. Price tone firm.

Alcohol, Butyl.—Some slackening reported in demand. Prices were without change, and firm.

Butyl Acetate.—Buying held close to production requirements. No change was disclosed in the prices.

Cellulose Acetate.—A fairly steady interest prevailed. Pricewise a firm tone predominated.

Dibutyl Phthalate. — Prices ruled firm. Shipments routine.

Ethyl Acetate.—Replacements were made moderately. No new developments occurred in the prices.

Film Scrap.—Prices were unchanged from levels established recently. Shipments continued steady. Good export inquiry.

Isopropyl Acetate.—New business was less active. However, volume was sufficient to keep the market tone firm.

Methyl Acetate. — Consumers entered the market for necessary replacements. Prices were unchanged.

Tricresyl Phosphate. — Withdrawals were moderately active. Market position was firm, and prices held at the same levels.

Shellac

Prices for shellac continued to be unsettled last week and moved fractionally in favor of buyers for consumption. Competition was reported more active than for some time past and since current buying was conservative at the best, conditions appeared to be temporarily more favorable to buyers than to sellers. Deliveries on contracts reached fair but not entirely satisfactory totals. T. N., spot, was priced at 13½c. to 14c. per pound; superfine, 14½c. to 15c. No change was made in the quotations on regular or refined bonedry.

Glues and Binders

Casein. — Demand had dried up somewhat last week, with a big production definitely on the way. One producer, quoting 10c. to 10½c. per pound, reported the price firm and unchanged. Another, quoting 9½c. to 10c. reported the price unchanged but soft. A primary supplier of Argentine casein reported the price advanced ½c. per pound to 10c. to 10¼c. There were reports, however, that this price had been shaded by a considerable margin in at least one sale. New Zealand and French materials were purely nominal.

Glues.—Hide and bone materials were moving well during the period. Sales volume to date has been noticeably better than during the corresponding period of 1939. Prices were firm and unchanged.

Trade Briefs

Celluloid Corporation, Newark, N. J., has moved its New York offices to 180 Madison avenue.

Harry E. Beech has joined the Valspar Corporation, paint manufacturer, this city, as a special field representative.

George W. Watson has retired as general manager of the York, Pa., plant of the Certainteed Products Corporation, this city after twenty-eight years' service with the company. R. B. Whittemore is his successor.

Andrew S. Butler, president of McDougall-Butler Co., Inc., has been elected president of the Benchers' Club of Buffalo, an organization which seeks to have benches placed at certain points in Buffalo's parks. Mr. Butler also was voted a life membership in the club.

General Electric Plans Plastic Pilot Plant

The General Electric Company, Schenectady, N. Y., plans the construction of a $50,000 unit for the plastics department at Pittsfield, Conn. The new unit is expected to be completed June 15. The new one-story structure will be used for the development of new plastics on a small scale production basis. The company also has a $1,000,000 plant in Pittsfield.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in. 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

COLTON TUBE-CRIMPER
(Foot-Operated)

No Clips To Buy

No Clip Corrosion

Crimps the folded ends of tubes previously folded on the Colton Clipless Closure making three folds — giving added security and a more decorative appearance.

Write for a sample tube Closed the COLTON way

ARTHUR COLTON CO.
Pharmaceutical Machinery Manufacturers
2624 E. Jefferson Ave., Detroit

Imperial colors are *Always* carefully processed and supervised in order to give the best results in your formulations

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.
The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:
Boston - New York - Philadelphia - Cleveland - Detroit - Cincinnati
Pittsburgh - Toronto - Chicago St. Louis - San Francisco
Baltimore - Dallas - Los Angles - Louisville - Seattle

MAPICO COLORS MAKE "IRONCLAD" FINISHES

IMPREGNABLE
To Gases, Acids, Alkalies, Wear and Mechanical Abrasions

MAPICO pigments are particularly useful in paints that must withstand unusually hard usage. As end products of oxidation, they cannot react to other elements and they are unaffected by gases, acids, and alkalies. They resist wear and abrasion like the iron from which they were made. And their economy makes for a sturdy finish at low cost. Try them in your "heavy duty" paints.

Technical Inquiry is Invited

MAPICO Colors
PURE OXIDES OF IRON
MAGNETIC PIGMENT CO.
BINNEY & SMITH CO., *Distributors*
41 East 42nd St., New York, N. Y.
YELLOWS REDS BROWNS BLACK

Western N.Y. Production Club Hears Dr. Reddy

The April meeting of the Western New York Paint and Varnish Production Club in Tuyn's Restaurant, Buffalo, was addressed by Dr. Henry A. Reddy, of the Krebs Pigment & Color Company.

Discussing "Texture of Dry Colors in Relation to Mill Base Production," Dr. Reddy said that in the opinion of the formulator, tinctorial qualities of chemical dry colors are of paramount importance. Such characteristics as permanency, brilliance and strength were prone to overshadow many other considerations.

It has been said, Dr. Reddy stated, that research activities contemplate either the development of the new or the improvement of the old. He added that whether he realize it or not, the directions taken along research lines are actually dictated by the consumer. He added that in recent years the general public has become increasingly conscious of color to the end that their requirements indicated specific tinctorial improvements.

H. Vernon Smith, chairman of program, spoke briefly on a series of addresses on the paint and varnish industry being prepared by the Case School of Applied Science, Cleveland, suggesting that the Western New York Club obtain information on these talks.

Club members agreed that such a program would prove to be an invaluable aid to younger men in the industry and it was moved that data on the talks be secured and presented at the May meeting.

Harry Fleming, former president of the Buffalo Paint, Varnish and Lacquer Association, stressed the fact that the industry in the Buffalo area has been lacking in a definite program to help younger men coming into the trade and suggested that some movement be backed by the Production Club to interest more young men in entering the industry.

It was pointed out that the Buffalo Paint, Varnish and Lacquer Association is working out a similar program and that it might be possible for the two organizations to combine their efforts and work with the vocational schools in developing such a program.

School Furniture Color Simplification Reaffirmed

OPD Washington Bureau
April 23, 1940

The Division of Simplified Practice of the National Bureau of Standards has announced that simplified practice recommendation R111-30, "Color for School Furniture," has again been reaffirmed without change by the standing committee of the industry.

This simplification program originally became effective in 1930, and was reaffirmed previously in 1931, 1933 and 1936. It established the color finish known as "school furniture brown" for desks, seats, chairs, tables, library and laboratory furniture, filing cabinets, bookcases and other stock varieties of wooden school furniture. The recommendation also provides that color blocks be furnished the industry for matching in manufacturing and for sales purposes.

Copies of R111-30 may be obtained from the Superintendent of Documents, Government Printing Office, Washington, at 5 cents each.

Lead Output Up 27%

The output of refined primary lead from domestic ore in the United States in 1939 amounted to 420,967 short tons, compared with 331,964 tons in 1938, according to the Bureau of Mines. The production of refined lead from foreign sources rose to 63,068 tons, from 51,705 tons in 1938. The quantity of refined primary lead available for consumption in the United States in 1939 amounted to 414,359 tons, compared with 339,708 tons in 1938.

Antimonial lead produced at primary smelters totaled 21,995 short tons, containing 4,117 tons of primary domestic lead, 3,189 tons of primary foreign lead, 1,108 tons of primary domestic and foreign antimony, 12,658 tons of secondary lead, and 923 tons of secondary antimony.

Balto. Paint Club Plans Spring Business Drive

Members of the Baltimore Paint and Varnish Production Club, together with the Baltimore Paint Salesmen's Club, attended the April meeting of the Baltimore Paint, Varnish and Lacquer Association. Lloyd E. Stegner, of the Sherwin-Williams Company, president of the host group, explained that the purpose of the joint meeting was to create a more active Spring business.

Two films were shown, the first was entitled "How to Remember Names and Faces," and the other had the caption "How to Make Your Sales Story Sell." Robert A. Bonnell, president of the Baltimore Association of Commerce, and president of the Public Bank of Baltimore, explained the procedure to be followed by the property owner for obtaining a loan for necessary painting and repairing done to his property.

Stroock & Wittenberg Names Hess Co. Agent in Michigan

The Stroock & Wittenberg Corporation, this city, has appointed the C. W. Hess Company, 1900 E. Jefferson avenue, Detroit, as its Michigan representative, covering Detroit, Pontiac, Flint and Grand Rapids.

C. W. Hess

Mr. Hess has been a manufacturers' representative since 1924 in the Detroit area. Previously to sales work, he spent over fifteen years in actual plant production work, being plant manager for several of the larger paint and varnish plants. With the addition of Stroock & Wittenberg synthetic resins and ester gums, as well as natural gums, the Hess company now handles a complete line of raw materials for the paint, varnish, and lacquer industries.

U.S. Tung Progress Described

A concise description of the development of a tung oil industry in the United States is given by M. Ashby, Ph.D., of the Plant and Animal Products Department of the Imperial Institute in the quarterly *Bulletin* of the institute (volume 38, number 1). Dr. Ashley's report is based on a tour of inspection through the tung sections of Florida, Louisiana, and Mississippi last year and a study of governmental and trade data.

Dr. Ashby has condensed in a relatively short article a wealth of impartial expert testimony on the development of tung cultivation. He presents photographic illustrations and gives a useful bibliography. The copy of the *Bulletin* may be procured from the Imperial Institute, South Kensington, S.W.7, London, England, at 2 shillings 9 pence postpaid.

Container Corporation of America, this city, plans the manufacture of paper board products in Fort Worth, Tex.

COBALT
Cobalt Acetate, 23% Co
Cobalt Carbonate, 49.5% Co
Cobalt Chloride, 24.5% Co
Cobalt Hydrate, 62% Co
Cobalt Linoleate Solid, 8.5% Co
Cobalt Linoleate Liquid, 3%, 4.26% and 6% Co
Cobalt Litho Drier, 3% and 4.26% Co
Cobalt Nitrate, 20.3% Co
Cobalt Paste Drier—
No. 18, 1.8% Co
No. 36, 3.2% Co
No. 42, 5.6% Co
No. 56, 4.6% Co
Cobalt Lead Paste Drier—
No. 49, 2.23% Co and 11.25% Pb
Cobalt Resinate Fused, 2% as oxide, 3% as oxide, 3.5% as oxide and 5.5% Co
Cobalt Resinate Precipitated, 7.2% Co
Cobalt Soyate Solid, 8.5% and 8% Co
Cobalt Sulphate, 20.75% Co
Cobalt Oxide, 71% Co

LEAD
Lead Acetate (all grades)
Lead Linoleate—
Precipitated, 26.15% Pb
Fused, 26.5% Pb
Lead Paste Drier—
No. 45, 18% Pb
No. 49A, 11.25% Pb and 2.23% Mn
Lead Resinate—
Fused, 10%, 16% and 19% Pb
Precipitated, 23% Pb
Lead Soyate Solid Precipitated, 26.15% Pb

MANGANESE
Manganese Acetate, 22.4% Mn
Manganese Borate, 18% Mn
Manganese Carbonate, 41% Mn
Manganese Chloride, 27% Mn
Manganese Hydrate, 61% Mn
Manganese Linoleate—
Solid, 8.2% Mn
Manganese Paste Drier—
No. 44, 5.6% Mn
Manganese Resinate—
Fused, 3.5% Mn
Precipitated, 7.2% Mn
Manganese Soyate Solid, 8.2% Mn
Manganese Sulphate, 33% Mn
Manganese Oxide Black (all grindings), 58% Mn

ZINC
Zinc Linoleate Solid, 9.5% Zn
Zinc Resinate—
Fused, 1% Zn
Precipitated, 8.8% Zn

UVERSOLS
(Naphthenate Type)
Uversol Cobalt Solid, 11.5%
Uversol Cobalt Liquid, 6%
Uversol Cobalt Lead Solid, No. 330, 3% Co and 30% Pb
Uversol Cobalt Liquid No. 202, 2% Co and 20% Pb
Uversol Cobalt Zinc Liquid No. 110, 1% Co and 10% Zn
Uversol Lead Solid, 40%
Uversol Lead Liquid, 32%, 24% and 16%
Uversol Lead Manganese Solid No. 303, 30% Pb and 3% Mn
Uversol Lead Manganese Liquid No. 220, 20% Pb and 2% Mn
Uversol Manganese Solid, 10.5%
Uversol Manganese Liquid, 6%
Uversol Zinc Solid, 16%
Uversol Zinc Liquid, 10%

STEARATES
Technical
Aluminum, Calcium, Copper, Lead Magnesium and Zinc

MISCELLANEOUS
Laurates of Aluminum, Calcium and Zinc
Eg-glo (modified zinc tungate)
Calcium Linoleate Pulp

DRIERS—WHAT TYPES DO YOU USE?

Harshaw's Complete Line of Driers and Metallic Soaps

answers many problems of the paint and allied industries . . . For over 38 years, Harshaw research has been improving old drier formulæ and developing new ones to fit the new products of these industries . . . Today, Harshaw's line of metallic soaps meets all their requirements — and today, as ever, Harshaw research carries on, studying trends, working on new ideas that eventually will add to progress of these industries . . . For uniform, standard driers and metallic soaps, and always for the newest types — call on Harshaw.

THE HARSHAW CHEMICAL CO.
Offices and Laboratories: Cleveland, Ohio
Quality products since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works: Cleveland, Elyria, and Philadelphia

Current Market Quotations

—*Continued from page 23*

Urea—Zirconium

Urea, nitrogen, imported, 40% N, bgs., Jan. shipt.	ton.	56.25	—
50% N, bgs., Jan. shipt.,	ton.	42.65	—
Uva ursi leaves, bls.	lb.	.11 -	.13

V

Valerian root, bls.	lb.	.42 -	.45
Valonia, beards, bgs., f.a.s.	ton.	49.00	—
Cups, bgs., shipt., f.a.s.	ton.	38.00	-39.00
extract, powdered, 68%	lb.	.6565	Nom.
Vanillin beans, Bourbon, tins.	lb.	6.00	- 6.50
Mexican, tins.	lb.	6.00	- 6.50
cuts, tins.	lb.	5.50	- 6.00
South American, tins.	lb.	No prices	
oleoresin, bots.	lb.	18.00	-19.00
Vanillin, ex eugenol, 25-lb. tins,	lb.	2.60	- —
5-lb. tins.	lb.	2.65	- —
1-lb. tins.	lb.	2.75	- —
ex guaiacol, 25-lb. tins.	lb.	2.50	- —
5-lb. tins.	lb.	2.55	- —
1-lb. tins.	lb.	2.65	- —
ex lignin, 25-lb. tins.	lb.	2.50	- —
5-lb. tins.	lb.	2.55	- —
1-lb. tins.	lb.	2.65	- —
Venice turpentine, true, cs.	lb.	.60	- .70
Verdigris, bbls., kgs.	lb.	.22	- .23
Vinyl acetate, cns., works.	lb.	.25	- —
dms., c.l., 30,000 lbs. gross, works.	lb.	.14	- —
l.c.l., works.	lb.	.15	- —
5 gals., dms., works.	lb.	.26	- —
Violet, methyl, toner (see M).			
V.M.P. naphtha (see petroleum naphtha, v.m.p.).			

W

Wahoo bark, bls.	lb.	.45	- .46
tree	lb.	.19	- .22
Wattle bark, bgs., f.a.s.	ton.	34.00	-35.75
Extract, solid, bgs.	lb.	.04¼-	—
Wax, bayberry, import, bgs.	lb.	.25 -	.30
Bees, white, bleach, slabs, cs., 5 case lots.	lb.	.38 -	—
1 cs, lots.	lb.	.38½-	—
cakes, 5 cs., lots.	lb.	.39 -	—
1 cs., lots.	lb.	.39½-	—
discs, 5 cs., lots.	lb.	.40 -	—
1 cs., lots.	lb.	.40½-	—
yellow, crude, Africa, 10-bg. lots.	lb.	.26 -	.26½
1 bg.	lb.	.26½-	.27
Brazil, bgs., 5-10 lots.	lb.	.26 -	.26½
1 ton.	lb.	.26½-	.27
500 lbs.	lb.	.27 -	.27⅛
100 lbs.	lb.	.27½-	.28
refd., slabs, cs., lbs.	lb.	.31 -	.36
Candelilla, bgs., 1 ton.	lb.	.18½-	.19
jobbing lots.	lb.	.19 -	.19½
Carnauba, No. 3 chalky, bgs., 1 ton.	lb.	.64 -	.66
5 bgs.	lb.	.64½-	.66½
1 bg.	lb.	.65 -	.65½
N. C., 2 bgs., 1 ton.	lb.	.71 -	.73
N. C., 3 bgs., 1 ton.	lb.	.66 -	.68
5 bgs.	lb.	.66½-	.68½
1 bg.	lb.	.67 -	.69
refined, bgs.	lb.	.73 -	.74
yellow, No. 1, bgs., 1 ton.	lb.	.83 -	.85
5 bgs.	lb.	.83½-	.85½
1 bg.	lb.	.84 -	.86
No. 2, bgs.	lb.	.82 -	.84
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton.	lb.	.11½-	.12
jobbing lots.	lb.	.12½-	.13
150°-160° m.p., bgs., 1 ton.	lb.	.13½-	.14
jobbing lots.	lb.	.14½-	.15
160° m.p., bgs., 1-ton.	lb.	.13½-	.14
jobbing lots.	lb.	.14½-	.15
Japan, cs.	lb.	.15½-	.16
Montan, bgs., c.l.	lb.	No prices	
5 tons.	lb.	No prices	
less than 1 ton.	lb.	No prices	
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs.	lb.	No prices	
70°-72° C., bgs.	lb.	No prices	
74°-76° C., bgs.	lb.	No prices	
Snow-white, pure 76°-78° C., bgs.	lb.	No prices	
yellow, natural, 76°-78° C., bgs.	lb.	No prices	
Paraffin (see P.).			
Spermaceti, blocks, cs.	lb.	.22 -	.23
cakes, cs.	lb.	.23 -	.24
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.07 -	.08
White precipitate, powd., dms., 50 lbs. or more	lb.	2.54 -	—
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works.	ton.	16.00	-20.00
l.c.l., works.	ton.	18.00	-22.00
bbls., c.l., work.	ton.	19.00	-24.00
l.c.l., works.	ton.	21.00	-26.00
pap. bgs., c.l., works.	ton.	15.00	-18.00
l.c.l., works.	ton.	17.00	-20.00
wet.-grnd., bip., bgs., c.l., works.	ton.	18.50	-22.50
l.c.l., works.	ton.	19.00	-23.00
bbls., c.l., works.	ton.	21.00	-25.00
gilder's bolted, bip., bgs., c.l., works.	ton.	18.00	-
l.c.l., works.	ton.	19.00	- —
bbls., c.l., works.	ton.	20.00	-21.00
l.c.l., works.	ton.	21.00	-22.00
pap. bgs., c.l., works.	ton.	17.00	-18.50
l.c.l., works.	ton.	18.00	-19.00
Paris white, bip., bgs., c.l., works.	ton.	19.00	- —
l.c.l., works.	ton.	20.00	- —
bbls., c.l., works.	ton.	22.50	-27.50
l.c.l., works.	ton.	22.00	-28.00
pap. bgs., c.l., works.	ton.	19.60	-25.10
l.c.l., works.	ton.	20.00	-26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l.	ton.	9.65	- —
200 mesh, paper bgs., c.l., same basis.	ton.	8.60	- —
90%, 200 mesh, paper bgs., c.l., same basis.	ton.	6.25	- —
Gilders, bgs. (extra), c.l., works.	ton.	11.50	- —
l.c.l., 8-20 tons, works.	ton.	12.50	- —
4-8 tons, works.	ton.	13.50	- —
2-4 tons, works.	ton.	14.50	- —
extra bgs. (extra), c.l., works.	ton.	12.50	- —
8-20 tons, works.	ton.	13.50	- —
4-8 tons, works.	ton.	14.50	- —
2-4 tons, works.	ton.	15.50	- —
putty grade, bgs. (extra), c.l., works.	ton.	11.00	- —
l.c.l., 8-20 tons, works.	ton.	12.00	- —
4-8 tons, works.	ton.	13.00	- —
2-4 tons, works.	ton.	14.00	- —
Whiting, chalk, water-floated, bgs. (extra), c.l., works.	ton.	11.50	- —
l.c.l., 8-20 tons, works.	ton.	12.50	- —
4-8 tons, works.	ton.	13.50	- —
2-4 tons, works.	ton.	14.50	- —
precipitated, bgs., c.l., works.	ton.	15.00	- —
l.c.l., 5 tons, works.	ton.	20.00	- —
smaller lots, works.	ton.	25.00	- —
Wild cherry bark, thick, natural, bls.	lb.	.07	- .08
rossed, bls.	lb.	.06	- .06
thin, natural, bls.	lb.	.07	- .08
rossed, green, bls.	lb.	.10	- .11
Wild indigo root, bgs.	lb.	.13	- .14
Witch-hazel extract, dist., NF, bbls.	gal.	.40	- .45
leaves, bls.	lb.	.07	- .09
Witherite (see Barium carbonate, natural).			
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y.	ton.	24.00	-25.00
80 mesh, same basis.	ton.	26.00	-28.00
100 mesh, same basis.	ton.	30.00	-32.00
import, 70 mesh, bgs., ex dock,	ton.	No prices	
80 mesh, bgs., ex dock.	ton.	No prices	
100 mesh, bgs., ex dock.	ton.	No prices	
120 mesh, bgs., ex dock.	ton.	No prices	
Wormseed, American, bgs.	lb.	.07	- .08
Levant, bgs.	lb.	5.00	- 6.00
Wormwood, bls.	lb.	.18	- .20

X

Xylol (xylene), indus., dms., returnable, works.	gal.	.32	- —
tanks, E. of Omaha, frt. alld.,	gal.	.27	- —
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.27	- —
10°, dms., returnable, works.	gal.	.35	- —
tanks, E. of Omaha, frt. alld.	gal.	.30	- —
5°, dms., returnable, works,	gal.	.42	- —
tanks, E. of Omaha, frt. alld.	gal.	.40	- —
3°, dms., returnable, works.	gal.	.47	- —
tanks, E. of Omaha, frt. alld.	gal.	.45	- —
Xylidin, mixed, dms.	lb.	.35	- .36

Y

Yara yara, cryst., cns.	lb.	1.25	- 1.35
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York.	lb.	.55	- —
bottles, same basis.	lb.	.60	- .64
imp., bbl., same basis.	lb.	.55	- —
Yellow cadmium, CP, import., bxs.	lb.	1.35	- 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.50	- —
smaller lots, same basis.	lb.	.55	- —
kgs., ton lots, same basis,	lb.	.56	- —
smaller lots, same basis,	lb.	.60	- —
Sulphide, orange, bbls., works,	lb.	.75	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.13½-	—
open order.	lb.	.14½-	—

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis, chrome.	lb.	1.37	- —
primrose shade, bbls., same basis, chrome.	lb.	1.75	- —
Mercury oxide (see M).			
Ocher, Amer., golden, A, bbls., works.	lb.	.06¼-	—
B, bbls., works.	lb.	.04½-	—
C, bbls., works.	lb.	.05¾-	—
yellow, A, bbls., works.	lb.	.02¼-	—
B, bbls., works.	lb.	.02½-	—
C, bbls., works.	lb.	.02 -	—
D, bbls., works.	lb.	.0195-	—
E, bbls., works.	lb.	.01775-	—
F, bbls., works.	lb.	.01½-	—
yellow, G, bbls., works.	lb.	.01½-	—
H, bbls., works.	lb.	.01⅝-	—
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import.	lb.	.02475	Nom.
New York (f.o.b.).	lb.	.02⅝	Nom.
Philadelphia for import.	lb.	.02⅝	Nom.
ex dock, San Pedro, San Francisco.	lb.	.0290	Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans.	lb.	.02575	Nom.
New York.	lb.	.02¾	Nom.
Phila., for import.	lb.	.02¾	Nom.
Portland, Seattle.	lb.	.03⅛	Nom.
San Pedro, S. Francisco.	lb.	.03	Nom.
ex whse., Balto., Boston, N. Orleans.	lb.	.02725	Nom.
French, ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis.	lb.	.03⅝	Nom.
New York.	lb.	.03	Nom.
Pittsburgh	lb.	.03¼	Nom.
Portland, Seattle.	lb.	.03⅝	Nom.
San Pedro, S. Francisco.	lb.	.03¼	Nom.
f.o.b. N. Y., from dock,	lb.	.02⅞	Nom.
from whse.	lb.	.03¼	Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.,	lb.	.04½-	—
l.c.l., same basis.	lb.	.04¾-	—
synth., bbls., c.l., works.	lb.	.06½-	—
l.c.l., same basis.	lb.	.06¾-	—
Persian orange (See O).			
Zinc, bbls., same basis, chrome CP, contracts.	lb.	.18	- —
open order.	lb.	.19	- —
Yellow dock root, dom., bls.	lb.	.17	- .18
Yellow root (xanthoriza), bls.	lb.	.11	- .12
Yerba santa leaves, bls.	lb.	.09	- .10
Yohimbine hydrochloride, via.	oz.	2.85	- 4.00

Z

Zein, bgs., 1,000 lbs. or more, works.	lb.	.29	- —
less than 1,000 lbs., works.	lb.	.25	- —
Zinc acetate, tech., bbls., works,	lb.	.15	- .16
USP, bbls., 250 lbs.	lb.	.27	- —
kgs., 100 lbs.	lb.	.29	- —
Arsenite, bgs., c.l., dealers, E. of Rockies.	lb.	.12	- —
l.c.l., bags.	lb.	.12½-	—

Zinc arsenite prices are on a frt. alld. basis to dest, in lots of 96 lbs. or over.

Zinc carbonate, tech., bbls.	lb.	.14	- .16
USP, precip., powd., bbls.	lb.	.32½-	—
25 lb. dms.	lb.	.37½-	—
kgs.	lb.	.34½-	—
Chloride, tech., fused, dms., c.l., works.	100 lbs.	4.25	- —
l.c.l., works.	100 lbs.	4.60	- —
gran., dms., c.l., works,	100 lbs.	5.00	- —
USP, 200-lb. dms.	lb.	.25	- —
25-lb. jars.	lb.	.31	- —
solution, 50%, dms., c.l., works.	lb.	.0290-	—
l.c.l., works.	lb.	.04	- .04½
tanks, works.	lb.	.0225-	—
Cyanide, kgs., works.	lb.	.33	- —
Dust, bbls., c.l., dlvd.	lb.	.07¾-	—
l.c.l., bbls., dlvd.	lb.	.08¼-	—
Iodide, N.F., bots.	lb.	4.35	- —
jars	lb.	4.20	- —
Fluoride, bbls.	lb.	.20	- .25
Metal (see daily quotations in Market report).			
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼-	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	.07¾
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06¼-	.07¾
bbls., c.l., dlvd.	lb.	.06½-	.07¾
l.c.l., dlvd., except Pac. cts.	lb.	.06¾-	.08
ex whse., Pac. cst.	lb.	.06¾-	.08
Leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	—
ex whse., Pac. cst.	lb.	.06¾-	—
bbls., c.l., dlvd.	lb.	.06¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	—
ex whse., Pac. cst.	lb.	.06¾-	—
35%, c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¼-	—
ex whse., Pac. cst.	lb.	.06¼-	—
30%, bbls., c.l., dlvd.	lb.	.06¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	—
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06¼-	—
50%, bgs., c.l., dlvd., except Pac. Coast.	lb.	.0606-	—
dlvd., Pac. cst.	lb.	.0612-	—
l.c.l., dlvd., except Pac. cst.	lb.	.0631-	—
bgs., ex whse., Pac. cst.	lb.	.0637-	—
bbls., c.l., dlvd.	lb.	.0637-	—
l.c.l., ex whse., Pac. Cst.	lb.	.0662-	—
French process, com'l, lead free, bgs., c.l., dlvd.,	lb.	.06¼-	.07¼
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	.07¾
ex whse., Pac. cst.	lb.	.06½-	.07¾
bbls., c.l., dlvd.	lb.	.06½-	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	.08
ex whse., Pac. cst.	lb.	.06¾-	.08
green seal, bgs., c.l., dlvd.,	lb.	.08 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¼-	—
ex whse., Pac. cst.	lb.	.08¼-	—
bbls., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08½-	—
ex whse., Pac. cst.	lb.	.08½-	—
red seal, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.07¾-	—
ex whse., Pac. cst.	lb.	.07¾-	—
bbls., c.l., dlvd.	lb.	.07¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08 -	—
ex whse., Pac. cst.	lb.	.08 -	—
white seal, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¾-	—
ex whse., Pac. cst.	lb.	.08¾-	—
Zinc, oxide, pigment, French process, white seal, bbls., c.l., dlvd.	lb.	.08¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.09 -	—
ex whse., Pac. cst.	lb.	.09 -	—
imported, gold seal, cks., ex whse.	lb.	.13 -	.14
green seal, bbls., ex whse.,	lb.	.10 -	—
white seal, cks., ex whse.,	lb.	.11 -	.12½
USP, bbls., c.l.	lb.	.09½-	—
Palmitate, bbls.	lb.	.24½-	.27½
Resinate, fused, pale, bbls.	lb.	.10 -	—
precip., dms., dlvd.	lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.23 -	—
l.c.l., 1 ton.	lb.	.24 -	—
1,000-2,000 lbs.	lb.	.25 -	—
less than 1,000 lbs.	lb.	.26 -	—
USP, bbls.	lb.	.34 -	.36
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75	- —
l.c.l.	100 lbs.	3.50	- —
bbls., c.l.	100 lbs.	2.90	- —
l.c.l.	100 lbs.	3.65	- —
flake, bgs., c.l.	100 lbs.	3.10	- —
l.c.l.	100 lbs.	3.85	- —
bbls., c.l.	100 lbs.	3.25	- —
l.c.l.	100 lbs.	4.00	- —
powd., bgs., c.l.	100 lbs.	4.35	- —
l.c.l.	100 lbs.	5.10	- —
bbls., c.l.	100 lbs.	4.50	- —
l.c.l.	100 lbs.	5.25	- —
Sulphide, bgs., c.l., (20 tons), dlvd.	lb.	.07½-	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾-	—
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08 -	—
barium, pigment, bgs., c.l., dlvd.	lb.	.05 -	—
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼-	—
calcium pigment, bgs., c.l., dlvd.	lb.	.05 -	—
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼-	—
magnesium, pigment, bgs., c.l., dlvd.	lb.	.03¼-	—
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼-	—
Sulphocarbolate, NF, bbls.	lb.	.24 -	.26
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15	- —
l.c.l., works.	100 lbs.	5.50	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¼-	—
ex whse., Pac. cst.	lb.	.05¼-	—
Zirconium nitrate, kgs., works.	lb.	3.00	- 4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton.	75.00	-100.00
white, 98%, grd., kgs., works.	lb.	1.50	- 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the April 1 issue; the next printing will be in the May 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 33.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Aluminum Chloride. — A Netherland Indian decree recently granted exemption from import duty for aluminum chloride imported for use in petroleum refining or in the manufacture of synthetic grease, and for hyflo supercel a proprietary filtering medium for use in sugar refining.

Bronze Powder:—Imported for any industrial purpose, within the section of the raw materials schedule of the Uruguayan tariff, bronze powder is dutiable at 5 percent plus a surtax of 4 percent of a fixed customs valuation of 2.80 pesos per kilo.

Coaltar Intermediates:—The United Kingdom Board of Trade has issued a notice stating that in the future import licenses for synthetic organic dyestuffs and preparations thereof for use in dyeing, and organic intermediate products used in the manufacture thereof, will be issued only on recommendation of the Controller of Dyestuffs.

Dodecyl Alcohol:—The United Kingdom Treasury has issued an order exempting dodecyl alcohol from key industry duty until June 30, 1940. During the specified period the alcohol will be dutiable at the general ad valorem rate of 10 percent.

Derris:—All visibly infested animals must, during the current season, be treated by the application at monthly intervals of a derris preparation prepared in accordance with the specifications contained in an order issued by the British Ministry of Agriculture.

Fatty Acids:—Syrian and Lebanon has eliminated import duty on fatty acids containing 30 percent and more of free acidity and destined for the manufacture of soap.

Fertilizers: — Imports of chemical fertilizers into Sweden are allowed only under permit.

Formic Acid:—Licenses are required for the importation into the Straits Settlements of formic acid and acetic acid, and preparations containing formic acid and acetic acid and capable of being used as rubber coagulants.

Industrial Earths: — A regulating Commission for Stone Products, intended to exercise control over the importation, exportation, production and distribution of building and industrial earths and stone, artificial cement, ceramic products, glass and glasswares, has been established in Spain.

Lubricating Oil:—Iraq permits the importation of lubricating oil only under license.

Manioc:—The importation of manioc plants, cuttings and seed of any origin has been prohibited in Reunion.

Paints:—Ceylon now permits the importation of paints and colors, under license, from non-Empire areas.

Vegetable Oil Situation In the United States

Continued from page 5

Flaxseed and Farmers

The reason usually advanced in explanation of this diminution of domestic flax crops is the steady exhaustion of the soil. It is true that when flaxseed is grown indiscriminately it will exhaust the soil; but a proper rotation of crops and the selection of scientifically prepared seed will overcome this difficulty. The linseed oil industry has set up an educational committee which, in conjunction with State agricultural stations, has tried hard to combat this prejudice, but with indifferent success. Flax has almost disappeared as a crop from the Central Western States, such as Illinois, Iowa, and Wisconsin, and has retreated toward the Dakotas, Minnesota, Montana, and the Northwestern Provinces of Canada. The result has been that for a long time only a part, and in some years a very small part, of the domestic linseed oil requirements could be covered by the domestic flaxseed crop.

Protective duties have gradually been raised until the American flax grower would be almost immune against foreign competition, if he chose to take full advantage of his opportunity. In the tariff act of 1897 the rate was 25 cents a bushel. In 1913 this duty was reduced to 20 cents, only to be raised to 30 cents in 1921, to 40 cents in 1922, and to 65 cents in 1930. Concurrently, the tariff on linseed oil established in 1894 at 20 cents a gallon was reduced to 15 cents in 1907, to 10 cents in 1913, and raised to 3.3 cents per pound (about 25 cents a gallon) in 1922, and to 4½ cents per pound (about 30 cents per gallon) in 1930. What this means becomes apparent when it is remembered that linseed oil in Chicago sold for 30 cents a gallon in 1932 and for 55 cents last Fall.

In view of this protection, one should think that the old French adage about *noblesse oblige* imposes on our farmers the moral obligation to supply at least the domestic demand. Apparently, however, this obligation rests lightly on the shoulders of our agriculturalists. Strangely enough, even when the comparative prices of wheat and flax (the two crops under consideration) are favorable to the latter, the farmers of our Northwest are not greatly influenced. With them flax seems largely a matter of afterthought, with wheat the first choice. A certain allotment is made to flax acreage; when the wheat crop does not come through, due to early frosts or other adverse conditions, the land is plowed over and sown to additional flax. Neither the needs of the flaxseed crushing industry, which must keep its plants operating, nor the problems of our linseed oil consumers have ever visibly distressed our farmers.

The existing crop deficiency has burdened the linseed oil industry and their customers with a 65-cent-per-bushel duty on an average of some 16,000,000 bushels imported annually. No one objects much to this load, so far as it relates to the domestic crop, as it is a benefit to our own farmers. But why pay a bounty on imported flax? This was scarcely the intention of our lawmakers. The tariff on flaxseed was created as a protective measure for our farmers and not primarily for revenue. The way matters have worked out, though, the tariff has become a double penalty for our industries. First, their products are weighted by the duty they must absorb; secondly, their paints, varnishes, linoleums, and allied products are handicapped for *export in competition with like goods manufactured abroad.

Reciprocal Benefits

The feeling is gaining ground that if any one group of our population is protected by tariffs, duties or patents, it must reciprocate by giving service to the remainder of the people. Our present patent laws protect inventors, regardless of whether they use their inventions or not; but a movement is afoot to remodel our statutes so that an inventor who is shielded by a patent must produce the article within a given time or forfeit his rights. This is as it should be. Industry or agriculture alike, if protected by law against competition, should furnish the supplies expected of them. Laws were not enacted to raise individual profits, but to insure production, and any abuse of this privilege should be abridged. If our farmers fail to produce enough flaxseed to fill our domestic demand, the protective duty is failing of its purpose. If weather conditions are adverse year after year, as has been the case with flaxseed, it should be considered proof that under present conditions our farmers are unable to produce what the country requires. Duty on a permanently required foreign raw material is nothing but a tax on the products made from it. It should only be maintained if such a tax is desirable, but not on the grounds of protection. In the case of linseed oil and flaxseed, the tax, merely as a tax, is obviously undesirable.

Another consideration which can never be far from one's mind in these days is the problem of national defense, in which drying oils may play an important part. In the last war, large quantities of drying oils were used for the painting of barracks, ships, etc., for waterproofing balloons, tents, and tentpoles, as well as for many other purposes. Linseed oil is on the list of war essentials; it is the only domestic vegetable drying oil we can raise in quantities, and a sufficient supply should be insured at all hazards.

Lately flaxseed has been planted in Texas, Arizona and California and the results have been most gratifying. The Western flaxseed crop this year may reach 2,500,000 bushels and, if it continues to expand at the present rate and if intelligent agricultural methods are used, may eventually help to make us again self-sustaining.

Other Handicaps

A high duty on foreign flaxseed and linseed oil is not the only protection afforded our flaxseed farmers. Their protection has extended to competitive oils and seeds as well and, in my opinion, has done harm to our national economy. The outside world produces some very useful paint oils, such as sunflower-seed oil and hempseed oil, against which we built a barrier of 4½ cents a pound in 1936, making their further use impracticable. Hempseed oil in particular is an oil of outstanding value. It dries about as well as linseed oil, but refines more easily, and the film lacks the after-yellowing qualities of linseed oil. Sunflower-seed oil likewise is an interesting product and would serve many a useful purpose if it were available. Both hempseed oil and sunflower-seed oil now have disappeared from our markets and from our formulas. With their disappearance, the knowledge of their use will eventually be forgotten by our technicians. Thus, foreign manufacturers not only are working at lower costs, but their choice of raw material is greater, and they can therefore turn out some products not within the ken of our plants.

In case of war, one never knows what the enemy may do with products at his disposal. I opine that a certain amount of valuable oils should be let into the country at special rates year in and year out so as to keep our technical knowledge on a par with that of other countries. It is said that wars may be won or lost by the last battle, the last man, or the last gun. They may also be won or lost by the last slight superiority in materials. Our knowledge of disbarred oils has declined in the last few years, while that of other nations probably has ascended; but even if we had the knowledge, it would do us no good if the oils were not available.

The argument will be advanced, of course, that indiscriminate dumping of cheap foreign oils would undermine and finally eliminate American producers, dealing a death blow, not only to the flax farmer, but also to hog raisers, the planter of cotton, and the crushers of domestic seeds. There is a great deal to this argument, and it should be weighed carefully and impartially. Generally speaking, I believe that, if domestic producers live up to their obligations to produce at least enough for domestic consumption, they should be protected, at a reasonable rate, against underpaid foreign labor. Delinquency in production, however, should be sternly discouraged and provided against.

The interests of our domestic crushing plants should be safeguarded with equal care by insuring for them at all times a sufficient supply of seeds to keep their establishments in continuous operation. If not enough domestic seeds are obtainable, the deficiency should be covered by imports at a preferred rate of duty. Our present tariff laws recognize no special contingencies; quite contrariwise, they discriminate in a manner so thoughtless and inconsistent that one can scarcely understand how a statute, such as the so-called "Bailey amendment" of 1936, could have passed. .

Hempseed Oil

Take the case of hempseed, for instance. The 1930 tariff act let hempseed come in dutyfree, but taxed hempseed oil 1½ cent per pound, as a protection to American crushers against Oriental competitors. This arrangement was fair and caused no adverse comments.

In 1936 Congress decided to tax hempseed oil out of domestic use. Whether this decision was wise or otherwise, is not the point here. What seems highly objectionable is the manner in which this exclusion was brought about.

A tax of 4½ cents per pound was put on hempseed oil, perilla oil, linseed oil, rapeseed oil, kapok oil, and sunflower-seed oil with an apparently equally heavy hand; but what was not considered was that hempseed already carried duty of 1½ cents per pound and sunflower-seed oil one of 20 percent ad valorem. Thus hempseed oil was made to stagger under tax load of 6 cents per pound, while linseed oil, its chief competitive product, had to carry only 4½ cents. Most seeds were taxed 2 cents per pound — hempseed, perilla seed, et al. What was overlooked was that each of them had a different oil content, which in fact spelled outright discrimination against the low oil-bearing seeds. Still more strange was the fact that in this jumble of hastily enacted statutes some of the oils, like hempseed oil, could actually be brought in as oils for less money than they could be produced from their imported seeds by domestic mills. This certainly was not the object of the legislation, for it practically meant a subsidy to foreign oil crushers; and no matter what one's idea may be on high or low duties, no one prefers to keep foreign mills and labor busy crushing oils for us while our own plants stand idle.

To equalize the relative taxes on seed and oil, a duty of 6 cents on hempseed oil should have been accompanied by a compensatory duty on hempseed of about $25 a ton; instead it was $40 a ton. In the case of soybean oil this discrepancy was still more striking. The oil carried a duty of 3½ cents per pound, but with the beans taxed at $40 per ton, and figuring a yield of 300 pounds per ton, soybean oil crushed in the United States from foreign beans would be penalized 13 cents per pound. This would have made such crushing an absurdity, of course; yet in case of droughts or other emergencies it certainly is more desirable to employ American plants than to import the finished product.

The 1936 act, embodying these queer legislative specimens, has now been amended in many respects. Among other things it has reintroduced perilla seed into domestic mills and allowed them to crush it for our consumption. However, hempseed oil and sunflower-seed oil still are absent from the list of our available raw materials, and their absence is keenly felt in many lines.

(To be continued)

* A drawback allows partial recovery of the duty on linseed oil for re-export of paints, varnishes, linoleum, etc. This benefit is of little practical value to inland manufacturers and not practicable for small shipments.

Wesco Waterpaints Completes Plant in Montreal

Wesco Waterpaints, Inc., has completed a waterpaint manufacturing plant in Montreal. In announcing completion of the plant, Stanley C. Dunning, vice-president and general manager of Wesco Chemicals, Ltd., and Canadian Waterpaints, Ltd., said:—

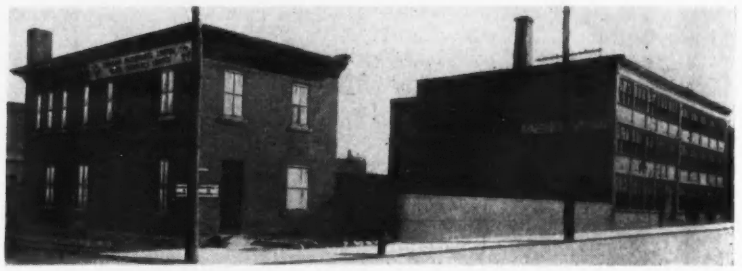
Stanley C. Dunning

The Canadian division of Wesco Waterpaints, Inc., has been in operation for over a year, and this further expansion of our production facilities is fully warranted by the increasing use in Canada of paints in powder form.

We are immediately starting here with production of the full line of Wesco Waterpaints, including the well-known "Liquid Process" kalsomine, casein paint, cement paint, and other waterpaint specialties.

This new development gives us the added facilities we need for direct and efficient service to our customers throughout Canada. The buildings in which the new manufacturing equipment is located were formerly occupied by the R. C. Jamieson Company, Ltd., and more recently by the paint division of Canadian Industries, Ltd. Modern equipment has been installed which enables us fully to maintain the same highest quality standard of production that has already made Wesco Waterpaints famous throughout the world.

This makes the ninth manufacturing plant in operation by Wesco Waterpaints, Inc., which was formerly known as the West Coast Kalsomine Company and the New England Whiting Company. Other factories and branches are located at East Boston, Mass.; Berkeley, Calif.; Los Angeles, Calif.; Portland, Oregon; Seattle, Wash.; Good Hope, La.; Atlanta, Kansas City, New York City, Chicago, and Sydney, Australia.



Recently Completed Montreal Plant of Wesco Waterpaints, Inc.

Soap and toiletry shipments to Puerto Rico from the United States in 1939 amounted to $1,739,187, compared with $1,630,646 in 1938.

Oils, Fats, and Waxes

Cottonseed Oil and Lard Futures Weaken After Early Strength —Hog Receipts Smaller and Prices Up—Chinawood Oil Easier — French Release Seized Carnauba Wax

No broadening of business in miscellaneous oils, fats and greases was noticeable last week, although a fair request was reported for some technical and edible products. As a rule, however, purchasing was limited to small quantities for prompt shipment and the movement of such lots was no larger than in the previous period. A setback in cottonseed oil and lard futures after an early display of strength had a tendency to make buyers of other oils and fats pursue a cautious policy and the same was apparently true of less favorable news from abroad concerning the progress of the war. There were comparatively few changes in quotations.

Last Tuesday, local importers received word that the French authorities had authorized the release of the steamer Bajamar reported seized by a French battleship in the previous week and taken into Martinique. The wax is now afloat to New York and will move direct from dock to manufacturing consumers, since the entire lot had been sold for many weeks.

Chinawood Oil

An easy tone continued to prevail in the local market for chinawood oil in the absence of any improvement in trade. In the leading quarter prices were maintained at previous levels, but shading was again noted among importers and resellers, the range extending downward to around 22½c. for spot oil, tank basis. Quotations on forward positions ranged from 21c. to 22c. per pound. Occasional inquiries were received but few transactions were noted. Los Angeles reported the arrival of 50 drums from Hongkong.

SAN FRANCISCO, April 24.—Chinawood oil easier. Quoted today at 20¾c. per pound, in tankcars, f.o.b. Pacific coast for early shipment from the Orient. Business quiet.

Vegetable Oils

Coconut.—Steady at recent advance. Few inquiries for crude or refined. Copra receipts at Manila week ended April 20 were 86,400 bags; Cebu, 71,400 bags.

Corn.—Somewhat better inquiry for crude. Offerings light. Tone firm.

Cottonseed. — Increased sales of cooking and salad oils at 8¾c. and 9c. respectively.

Oiticica.—Prices generally held at former levels. Fair inquiry. Spot stocks light.

Olive.—Denatured firm. Somewhat better request. Foots in fair demand and steady. The 1939 Tunisian crop, according to consular report, amounted to 60,000 metric tons edible oil and 8,000 tons foots.

Palm.—Few inquiries noted. Offerings light and spot and shipment prices mainly nominal.

Peanut.—Prevailing tone firm. Offerings limited. Quotations generally nominal.

Perilla.—Buyers holding off for further developments. Spot and shipments offering small.

Rapeseed.—Refined oil in limited supply and firm. Inquiry slow.

Soybean. — Tone generally firm. Steady movement on contracts. New business quieter. During March quarter 70 mills in United States crushed 500,451 tons soybeans against 397,347 tons same time last year; oil produced 155,468,263 pounds against 121,929,606 pounds. Bean stocks at mills close of March 407,689 tons against 364,041 tons last year; oil 19,086,294 pounds against 32,644,636 pounds.

Markets at Other Centers

San Francisco, April 24.—Trading in vegetable oils is still confined to short-term requirements, and last week the market was steady in all respects, excepting chinawood oil.

COCONUT.—Sellers' lowest indications still 3c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills.

Price Changes

Advanced

Lard, 5c. to 10c. per 100 lbs.
Lard oil, ¼c. per lb.
Oleo oil, ¼c. per lb.
Stearin, ¼c. per lb.
Tallow oil, ¼c. per lb.

Reduced

Chinawood oil, ¾c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
103.6	**103.6**	**104.2**	**98.7**

Market news that may have developed after this report was sent to press will be found on page 4.

COPRA.—A squeeze of some proportions appears to be developing on shipping space for copra out of the Philippines, which, added to the fact that primary sources are keeping their quotations up, tends to set the market up as bullish. Quoted at 1.85c. to 1.90c. per pound, c.i.f. Pacific Coast ports. Buying moderate. Importers declared here today almost impossible to get any space before June.

OITICICA. — Raw, liquid oil quoted 18½c. to 19c. per pound in drums, f.o.b. Pacific Coast ports for shipment from Brazil.

RAPESEED.—Refined, denatured oil quoted at 8¾c. per pound in tankcars, f.o.b. San Francisco out of spot stocks.

TEASEED.—New-crop oil quoted 11½c. per pound in drums; 10½c. per pound in tankcars, f.o.b. San Francisco for moderate acid specification.

WALNUT.—Crude California walnut oil steady at 8¼c. per pound in tankcars, f.o.b. Pacific Coast. Refined, 9¼c.

Chicago, April 26.—Vegetable oil buyers showing more interest in moderate amounts.

COCONUT.—Crude, 3c. to 3⅛c. per pound. Edible, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

CORN.—Crude, low acid, 6¼c. to 6⅜c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

PEANUT.—Crude, South, 6¼c. to 6⅜c. per pound.

SOYBEAN.—Crude, 5½c. to 5⅝c. per pound, April-forward.

The market for soybeans on the Chicago Board of Trade was more active. Prices irregular. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Apr. 26.	Closing Apr. 19.
Cash. No. 2.	$1.10	$1.08¾	...	$1.09
May	1.11¾	1.08¾	$1.08¾	1.08⅝
July	1.16¼	1.05¾	1.06	1.07⅛

Linseed Oil

Changes in flaxseed prices were frequent and at times sharp. Linseed oil, cake and meal steady.

Flaxseed—Duluth, April 26.—Cash flax is active. The lake season opened Tuesday with considerable flax coming to this point for boat loading. Supplies in elevators here are now 60,000 bushels, compared to only 2,000 bushels a year ago; and much more is expected within the next few days.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.12	$2.05	$1.99¾
Monday	2.13½	2.07¼	2.00
Tuesday	2.13	2.07¼	2.00
Wednesday	2.11	2.06	1.98½
Thursday	2.08½	2.06	1.98½
Friday	2.08	2.05	1.97½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	27,056,000	.....	.....	.....
Since Aug. 1.	4,028,355	1,587,252	1,835,800	1,589,951

MINNEAPOLIS, April 26.—Northwestern flax movement showed fair volume for this season of the year and there was no lack of outlet. Competition for diversion point arrivals was strong as several buyers wanted to assemble at least part cargoes for shipment eastward at the opening of navigation on the lakes. Ice was broken at the Soo this past week and boats are moving from the head of the lakes. While wheat and other grains will be loaded this week it is doubtful whether any flax will move for the next couple of weeks because of the lack of accumulation for loading.

Crushers took most of the flax, but a few cars went to seed houses at strong premiums. Seed house buyers paid 3c. to 4c. premium over crusher bids for choice quality. South Dakota and Iowa farmers just about finished planting. Southern Minnesota farmers are bothered by wet ground. Only moderate progress made in northern Minnesota and in North Dakota.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.10	$2.04	$1.98½
Monday	2.11½	2.05½	1.97
Tuesday	2.11	2.05	1.97
Wednesday	2.09	2.03	1.95½
Thursday	2.06½	2.00½	1.93½
Friday	2.07	2.01	1.94½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	53,200	16,800	28,000	13,200
Since Sept. 1.	4,186,200	1,625,540	1,961,100	606,900

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

N.C.S.P.A. meeting, May 13-14. New Orleans.
N.A.P.A. meeting, June 3-6. Cincinnati.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
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MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
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Branches and stocks in all large cities

EMERY
America's largest producers of
STEARIC AND OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS · GLYCERINE · PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.

SYNTHETIC OILS and WAXES
for use in
Pharmaceuticals, Cosmetics, Printing, Polishes, Food and Many Other Industries
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STEARIC
MYRISTIC, PALM, LAURIC, OLEIC, COCOANUT, SOYABEAN, COTTONSEED, RICINOLEIC, LINSEED, AND OTHER FATTY ACIDS
KESSCO PRODUCTS
Offered Under Definite Chemical Specifications
Inquiries Solicited—Data on Request
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Sales Agent for
THE KESSLER CHEMICAL CORP.

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline)

WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

QUALITY *Manufacturers Since 1837* SERVICE

STEARIC ACID

Distilled: Single, Double and Triple Pressed Cake, Flake and Powdered

OLEIC ACID

Light Color, Various Titres in Barrels, Drums and Tankcars

WHITE OLEINE

U. S. P. Specifications Guaranteed

CRUDE GLYCERINE 88%

TALLOW FATTY ACIDS

WHITE PALM OIL FATTY ACIDS

A. GROSS & CO.

Sales Office: 122 East 42nd St., New York, N. Y.

FACTORY: NEWARK, N.J.

WINNIPEG, April 26.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$2.30⅞	$2.31½	$2.34
Monday	2.27	2.27½	2.30
Tuesday	2.17	2.17½	2.20
Wednesday	2.09⅝	2.10	2.12⅝
Thursday	2.11⅛	2.11½	2.14⅝
Friday	2.09¾	2.10	2.13½

BUENOS AIRES, April 26.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	$1.39¾	$1.12
Monday	1.39¾	1.12
Tuesday	1.43⅝	1.11¾
Wednesday	1.43	1.11¼
Thursday	1.42⅞	1.12¾
Friday	1.42⅞	1.12¾

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	59,000	394,000	39,000
United Kingdom	67,000	106,000	4,000
Continent	539,000	677,000	362,000
Orders	.....	.....	47,000
Others	.....	.....	75,000
Totals	665,000	1,177,000	527,000

Since January 1

To—	Bushels— This year.	Last year.
United States	7,025,000	6,849,000
United Kingdom	4,994,000	536,000
Continent	9,062,000	10,924,000
Orders	598,000	5,559,000
Others	146,000	1,539,000
Totals	21,825,000	25,407,000

Visible Supply

	Bushels.
Last week	6,299,000
Previous week	6,693,000
Last year	7,480,000

Hull, April 26.—La Plata flaxseed quoted at £17 5/16 per long ton; Bombay £19½.

Linseed Oil.—Withdrawals of linseed oil on contracts showed an increase as a result of more favorable weather for exterior painting, but new business continued quiet, many buyers still being inclined to hold off for further developments in the crop situation as well as in the markets for other commodities. Local oil quotations were generally held at previous levels, with the tone of the market apparently steadier owing to the strength displayed at times during the week by flaxseed.

Advices from outside points reported some expansion in withdrawals of linseed oil on contracts, but new business was generally described as slow with many buyers still inclined to adhere to a waiting policy. Crushers were the chief buyers of flaxseed offerings in Northwestern markets where receipts were somewhat larger, with expectations of a further expansion in arrivals as a result of the resumption of lake navigation.

The tendency of Argentina ocean freight rates was still reported as upward owing to the increasing scarcity of cargo space. A private estimate of the crop in India made it 17,000,000 bushels against 17,800,000 bushels last season. Receipts of flaxseed at New York the past two weeks aggregated 668,756 bushels.

MINNEAPOLIS, April 26.—Linseed oil buyers are a bit jittery and at the moment are not signing up for important supplies, though they are ordering them out freely on older and maturing contracts. A few lots are being taken for summer shipment, as need is plainly seen, but because of the talk of a sharp increase in domestic production of flax this season most buyers are inclined to drift along until more is known. Tank-cars, 10.2c. per pound, f.o.b. Minneapolis; cooperage, car lots, 10.8c. per pound, warehouse lots, 11.2c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	2,580,000	1,560,000
Since Sept. 1	94,180,000	51,087,332

SAN FRANCISCO, April 24.—Consumers of linseed oil are marking time insofar as new business is concerned. Deliveries on contracts are good. June forward positions available at lower than current offerings, it is stated, as the California crushing season starts soon. Quoted:—Tankcars, 10c. per pound; drum lots ex mill, 10.6c.; drum lots ex warehouse, 11c.

CHICAGO, April 26.—Most linseed oil purchases continue small, buyers evidently wishing to avoid carrying anything like heavy stock. Tankcar, 10.4c. per pound; car lots, 11c.; less than car lots, 11.4c.

LONDON, April 26.—Linseed oil, 42s. 6d. per cwt.

Cake and Meal.—A steady tone prevailed in the local market. Domestic trade in meal fairly active. Cake quiet.

MINNEAPOLIS, April 26. — Linseed meal prices are doing better. Soybean meal pressure slackened and bearishness of the trade is drying up gradually, partly because of the war situation and its probable effect on the demand for fats and oil from the Allies. Weather is colder than normal and pasturage is not developing as freely and rapidly as it should.

Carload lots, f.o.b., Minneapolis, 100 pound sacks, $30.50 to $31 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	4,400,000	2,520,000
Since Sept. 1	131,770,000	70,066,650

CHICAGO, April 26.—Linseed meal quiet. Round lots, $31 per ton, largely nominal; car lots, $31 to $31.50; less than car lots, $33 to $33.50.

Cottonseed Oil

Refined cottonseed oil futures irregular here. Southern markets for cottonseed products generally steady.

Cottonseed Oil.—The market here for refined cottonseed oil futures was irregular, an advance early in the week being followed by a setback. Fluctuations in prices were within narrower limits than in the previous period. Trading was on a fair scale. Commission houses were on both sides of the market, buying early in the week and selling later on. Trade interests were credited with purchases of near months. Recent buyers in some cases liquidated on the early strength. Some of the selling was traceable to unfavorable reports concerning the progress of the war in Europe.

A recession in lard in the face of a sharp rise in hog prices, due to smaller receipts of hogs, also accounted for some of the selling of cottonseed oil futures. There was further switching from May to later months at differences ranging from 9 to 29 points, according to position. Vegetable oils which compete with cottonseed oil were generally steady or firm. A somewhat better inquiry was reported for cash refined cottonseed oil.

Receipts of hogs in the principal Western centers for four days of the week aggregated 189,600 head against

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

CHINA WOOD OIL

WAH CHANG TRADING CORPORATION

SPOT Woolworth Building New York, N. Y. FUTURE

THE BRODÉ CORPORATION

MEMPHIS, TENNESSEE

Domestic and Export

PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS

Members—Memphis Merchants Exchange (Futures in Cottonseed Meal) New York Produce Exchange (Futures in Cottonseed Oil)

District Representatives

JAMES LOVATELLI & CO., 2 Broadway, New York City

Codes: Yoppa, Robinsons, Bentleys, A. B. C., 5th Edition, Peerless

For the Pharmacist as a Tablet Lubricant

STEROTEX

For the Ceramic Manufacturer as a Pressed Lubricant and Binder

Samples and prices on application

THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio

237,800 head in the same time in the previous week and 208,800 head last year. The weight of the hogs received in Chicago during the week ended April 20 averaged 246 pounds against 244 pounds in the previous week. Predictions were heard that the next statement of lard supplies in Chicago would show a decrease for the second half of April. The export movement of lard continued light. Clearances of lard from Atlantic and Gulf ports for the season from November 1 last to April 20 were 49,020,025 pounds, a decrease of 42,867,622 pounds as compared with the same time last season.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 20 to April 26, inclusive, comprise 880 contracts, a total of 52,800,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	7.04	6.76	6.76@6.77
July	7.12	6.84	6.85 sale
September	7.20	6.91	6.92@6.93
October	7.20	6.92	6.94 sale
December	7.10	6.98	6.96@6.97

Crude, Southeast, .05½@.06c. Nom.

Chicago, April 26.—Cottonseed oil firm. Buyers have been taking fairly good amounts of material. Refined, edible oil is 9c. to 9¼c. per pound, barrels, car lots; and 9½c. to 9¾c., barrels, less than car lots.

Hull, April 26.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Offerings in all parts of the South were reported as light, and the prevailing tone was apparently steady. Meal fairly active.

Markets at Other Centers

Atlanta, April 26.—Prime crude cottonseed oil in the Southeast is firm at 6c. per pound. Eight percent meal, $31.50 to $32 per ton. Planting is barely started in the upper cotton belt, but is nearing completion in the lower belt. Weather is still delaying soil preparation in the Piedmont.

Memphis, April 26.—Crude cottonseed oil offerings continue light. Last sales reported at 5⅞c., Valley basis. Unsold supplies so small as to be hardly a market factor. Meal steady; 41 percent, $31.50 per ton, prompt shipment, Memphis basis. Open speculative interest in meal in the pit here continues unusually large. Bulk cake, $28.75 per ton, Valley basis. Available supplies of cake and meal in this section rather small. Weather continues cool and farm work is considerably behind average. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 18.	April 25.
May	$29.95@—	$29.60@29.90
July	28.40@—	27.75@28.00
September	26.65@27.00	26.05@26.35
October	25.40@25.80	24.95@25.30
December	25.30@25.50	24.75@25.25

Fatty Acids

Capric Acid.—Quotations unchanged and tone steady. Fair request for moderate lots.

Castor Oil.—Steady at recently reduced prices. New business quiet. Contract withdrawals fair.

Coconut Oil.—Somewhat better request for moderate lots. Market firm.

Cottonseed Oil.—Steady movement to soap makers and other consumers. Prices maintained.

Linseed Oil.—Consumption reported holding up well but new business quieter. Prices steady.

Red Oil.—Increased request for comparatively small lots. Tone improved.

Stearic Acid.—Buying stimulated to some extent by recent developments in raw material. Market firm.

Chicago—April 26

Fatty acids are firm. Buyers find it necessary in some cases to bid for material.

RED OIL.—Distilled or saponified, 7½c. to 8½c. per pound; tanks, 7c. per pound.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; coconut oil, acidulated, 10c. to 10¼c., tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; 11c. to 11¼c., barrels, less than car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c. per pound; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 1¾c. to 2c.

Fish Oils

Menhaden.—Refined oil unchanged and market tone steady. Fair inquiry for small lots.

Sardine. — Purchasing limited to moderate lots for prompt shipment. Prices stationary.

Sperm.—Refined oil firm at recent rise. Fair movement on contracts and transient orders.

Whale.—Prices maintained at former levels by refiners. Trade fair. Total Norwegian crude whale oil production for season ended in March, according to Bureau of Foreign and Domestic Commerce at Washington, 909,200 barrels, against 721,720 barrels in previous season. Japanese production for 1939-40 estimated at 780,000 barrels, against 483,714 barrels in the previous season.

Markets at Other Centers

Baltimore, April 24.—Ten tanks old-crop crude menhaden oil sold at 32 cents per gallon, basis Baltimore. Fishing boats in North Carolina and off the Florida coast are making only small hauls. The weather has proved a decided drawback to the operations of the fleet.

San Francisco, April 24.—There have been no negotiations for the new season fish oils, which will come into production, it is expected, during June. California's season will not get under way before August, but there will undoubtedly be fish caught and oil made in the vicinity of Washington and Oregon during July. Alaska oil can be expected in June.

Fats and Greases

Grease.—Tone firmer. Fair request for moderate lots. Spot stocks reported light.

CHICAGO, April 26.—Choice white grease, tierces, 5c. to 5⅛c. per pound; yellow, 4⅜c. to 4⅝c.

Lard.—Local cash trade reported quiet. Export movement light. Price changes moderate. Hog receipts smaller.

CHICAGO, April 26.—A generally better tone is reported in cash lard and related fats. Lard trade fair. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Apr. 26.	Apr. 19.
Cash	$6.50	$6.25	$6.25	$6.35
May	6.55	6.22	6.22	6.35
July	6.89	6.42	6.45	6.55

Stearin.—Business quiet but offerings light and tone firm. Quotations ⅛c. higher.

CHICAGO, April 26.—Prime oleo stearin, tierces, 6c. to 6¼c. per pound; lard, 6½c. to 6¾c.

Tallow.—Offerings light. Tone firmer. Rumored sale of a grade higher than extra at 5⅛c., delivered.

CHICAGO, April 26.—Edible tallow, tirces, 5c. to 5⅛c. per pound; inedible, prime, 5c. to 5⅛c.; special, 4⅞c. to 5c.

There was no trading in tallow futures on the New York Produce Exchange from April 20 to April 26, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	4.80 bid
July	...	...	4.80 bid

Animal Oils

Lard.—Firmer with raw material. Prices up ¼c. Moderate demand.

CHICAGO, April 26.—No. 1 lard oil, 8c. to 8¼c. per pound.

Neatsfoot.—Quotations ⅜c. higher to ½c. lower. Fair movement of moderate quantities.

Oleo.—Prices advanced ¼c. More active, though consumers not disposed to purchase beyond current needs.

CHICAGO, April 26.—Prime oleo oil, 7¾c. to 8c. per pound.

Tallow.—Quotations up ¼c. Business quiet.

CHICAGO, April 26.—Acidless tallow oil, 8c. to 8¼c. per pound.

Waxes

Bees.—Steady. Trade conservative. Conditions fairly favorable for buyers. No change in prices.

Candelilla. — Firmer and tending higher. Market 18½c. to 19½c. per pound. Limited quantities offered at minimum price.

Carnauba. — Very strong. Demand heavier than dealers can supply. Prices tending higher steadily. Not the least sign of any lowering of values. Norwegian steamer Bajamar, seized recently by French battleship and taken into Martinique, released. Now enroute to New York with badly-needed wax. News of release very welcome to importers who report the entire cargo sold.

Japan.—Firmer and steadier. Demand moderately active. Quotations less subject to shading.

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Sesame Seed Tax Not Based on Use

Sesame seed is liable to the import tax levied by section 701 of the revenue act of 1936 whether it is used for the extraction of oil or for any other purpose. The United States Customs Court, Third Division, has so ruled in a decision against Sokol & Co. which sought a refund of the tax assessed on importation of sesame seed at Chicago.

The importer's contention was that the imported seed had lost its germinating properties; hence, was not a seed, and that because it was not to be used for the extraction of oil it was not an oilseed as allegedly implied in section 701. It was admitted, however, that the seed had been properly classified as duty-free under paragraph 1727, which specifically applies to sesame seed. The court held that the same *eo nomine* designation was made in the revenue act, and that in neither instance did the classification depend on use or anything else other than the name, "sesame seed."

Activated Earths Duty Investigation Dropped

OPD Washington Bureau
April 24, 1940

The United States Tariff Commission has denied and dismissed an application for an investigation of the duty on clays or earths artificially activated with acid or other material. The application was filed by L. A. Salomon & Bro., New York, November 24, 1939, and asked an investigation of foreign and domestic costs of producing activated earths with a view to a reduction in the duty under the flexible provisions of the 1930 tariff act.

At present this material is dutiable under section 207 of the tariff act at ¼c. per pound plus 30 percent ad valorem.

Spiegel & Peiffer to Act As Brokers in Oils and Fats

L. P. Spiegel and P. Peiffer have formed a partnership to act as brokers in tallow, grease, soap stocks, vegetable, animal and fish oils, glycerin and feed stuffs and fertilizers. The new organization, becoming operative May 1, will have offices in the New York Produce Exchange building.

Trade Briefs

National Cottonseed Products Association will hold its annual convention in New Orleans May 13-14.

Donaldson B. Thorburn, assistant sales promotion and advertising manager for the Shell Oil Company, Inc., has resigned, effective May 1.

Pan-American Refining Corporation, this city, plans the erection of a grease manufacturing plant in Texas City, Tex., at a cost of $1,000,000.

John M. Maxwell, associated for seventeen years with the Bisbee Linseed Company, Philadelphia, is now connected with the New York office of the company in a sales capacity.

Oil and fats market review, published annually by H.M.F. Faure & Co., Ltd., London, will not be issued for 1939, because of a request for the withholding of its publication by the Ministry of Food.

William H. Correa, of the Socony-Vacuum Oil Company, this city, has been named chairman of the American Petroleum Institute's division of marketing 1940 committee on lubrication.

Bids Wanted

Alum, Black:—10 tons; Commanding Officer, Aberdeen Proving Ground, Md.; procurement 138, opening May 2.

Antifreeze Compound:—Supplies as required during the period July 1 to June 30; class 51, supplement 3; Procurement Division, Treasury Department, Washington; opening May 4.

Bleaching Powder:—Supplies for 1941 fiscal year: Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Charcoal:—16,000 pounds of activated; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 646, opening May 2.

Chrome Ore:—25,000 long tons; Procurement Division, Treasury Department, Washington; opening May 7.

Cryolite:—1,400 pounds; Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; procurement 8416, opening May 2.

Gasoline:—Supplies for East coast; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 1433, opening May 9.

Supplies for West coast; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 1435, opening May 9.

Insecticide:—10,000 pounds; Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; procurement 8390, opening April 30.

Kerosene:—64,000 gallons; Supply Officer, Navy Yards, Philadelphia; requisition NSA 14, opening April 29.

Naphthalene, Flake:—5,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 909, opening May 2.

Road Oil:—1,500 gallons; U. S. Engineer Office, Federal Building, Buffalo, N. Y.; procurement 127, opening May 6.

Serums:—Supplies of; Warden, Federal Reformatory, Petersburg, Vt.; procurement 741, opening May 7.

Soap, Laundry:—425,500 pounds; Contracting Officer, Quartermaster Corps, Jacksonville, Ind.; procurement 431-200, opening May 1.

Stearic Acid:—3,100 pounds; Contracting Officer, Quartermaster Corps, Jacksonville, Ind.; procurement 431-200, opening May 1.

Contracts Awarded

Anhydrous Ammonia: — 1,600 pounds; awarded to Charles Cooper & Co., New York, the Edgewood Arsenal, Md., at 16c. per pound; procurement 551, opening March 14.

Barium Nitrate:—10,000 pounds; awarded to the R & H chemicals department of E. I. duPont de Nemours & Co., Wilmington; at 8.75c. per pound; procurement 1256, opening March 27.

Carbon Tetrachloride: — 6,000 paunds; awarded to the Hughes Chemical Company, by the Edgewood Arsenal, Md.; at 4.798c. per pound; procurement 548, opening March 13.

Glycerin:—1,000 gallons; awarded to C. J. Schellings & Co., New York, by Raritan Arsenal, N. J.; at $1.52 per gallon; procurement 142, opening March 19.

Mixed Acid:—260,000 pounds; awarded to the General Chemical Company, New York, by the Picatinny Arsenal, N. J.; at 007 cents per per pound; procurement 1167, opening March 15.

Muriatic Acid:—40,000 pounds; awarded to the American Cyanamid & Chemical Corporation, New York, by the Picatinny Arsenal, N. J.; at 1.33c. per pound; procurement 1167, opening March 15.

Nitric Acid:—12,000 pounds; awarded to the Hercules Powder Company, Wilmington, by the Picatinny Arsenal, N. J.; at 4.25 cents per pound; procurement 1227, opening March 20.

Sulphuric Acid:—300,000 pounds; awarded to the American Cyanamid & Chemical Corporation, New York, by the Picatinny Arsenal, N. J.; at $14.24 per ton; procurement 1167, opening March 15.

Norway-Japan Whale Oil Output Up 484,000 Bbls.

—Continued from page 3

operating in the season just closed, produced 492,000 barrels in 1938-39, but the current combined Norwegian-Japanese production was apparently about the same as the Norwegian-Japanese-German combined production in the previous season.

Results from the British expeditions have not been received. In the 1938-39 season they produced 888,000 barrels of the 2,813,000 barrels produced by all countries. Recent reports were to the effect that two-thirds of the Norwegian whale oil production were sold to the United Kingdom at £37 10s. per long ton, the balance being reserved for Scandinavian needs. The latest developments in the latter countries may, however, result in a large share of Norway's catch, still on factory ships either on the way from the Antarctic or at anchor in neutral ports, being sold abroad.

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Drugs, Fine Chemicals

Quicksilver Unsettled—Codliver Oil Higher and Nominal—$20 Tax Proposed on Imported Santonin—Goods Afloat For Scandinavia Returned for Resale Here

Demand for drugs and fine chemicals in the resale market has slowed down substantially. The flow of foreign inquiries to this market has decreased considerably and the result last week was that the bulk of demand was made up of domestic requirements. These demands went directly to the domestic producers for the most part.

One angle, of substantial importance to the market as a whole, developed last week. Shipments of goods recently afloat for Scandinavian countries have been returned to this port. Masters of ships at sea when Germany seized Denmark, invaded Norway, and isolated Sweden from the American export market, were instructed by wireless to return to New York.

The cargoes were unloaded here and returned to the shippers. Those abroad who had bought the goods instructed the shippers to sell the returned merchandise for the foreign owners' account. Since the shippers here had, in most instances, paid a premium price to get the goods for export, and since they cannot bring more than the domestic market price when resold here, not only are severe losses certain but it is possible that the forced sale on spot in competition with producers' stocks may disturb the domestic market substantially.

Price Changes

Advanced

Codliver oil, $10 per bbl.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
200.2	199.3	198.2	183.4

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Boric.—Demand very steady. Prices stabilized to June 30. Future outlook satisfactory.

Acid, Camphoric.—Scarce. Cost to produce rising. Small lots sold at $7 per pound.

Acid, Citric.—Stable in price. Demand moderate. Cold Spring delays normal expansion of consumption.

Acid, Hypophorous.—Jobbing demand the rule. Call steady. Prices maintained readily.

Acid, Lactic.—U.S.P. in good request at steady prices. No important stock surplus. All demands met promptly.

Acid, Mandelic.—Firmer as demand improves conservatively. Competition not very prominent.

Acid, Nicotinic.—Movement normal in volume. Signs point to favorable future. Prices steady.

Acid, Phosphoric.—Complete price stabilization the rule. Demand normally active and volume satisfactory.

Acid, Salicylic.—Steady undertones develop along normal lines. Demand maintained at good volume. Prices firm.

Acid, Tartaric.—Strong and likely to hold so indefinitely. Little chance for substantial drop in raw material cost. Demand moderate to fair.

Adeps Lanae.—Very firm. In good demand and showing signs of larger movement to consumers.

Alcohol.—All kinds in good demand. Specially denatured item moving well in quantities, contributing much to the general firmness of quotations. Butyl firm at recent advance and moving well. No signs of early change in prices generally.

Ammonia Chloride.—Less demand noted. Prices no less firm. Stocks plentiful.

Ammonia, Citrate.—Demand limited to immediate requirements. Quotations remain highly stable.

Ammonia, Phosphate.—Dibasic steady to firm under normal consuming interest. Plenty of reserve stock available.

Amyl Acetate.—Interest of buyers substantial. Undertone gains strength and prices reveal upward tendency.

Bismuth Metal and Salts.—Interest strictly routine, but volume holds to satisfactory levels. Prices continued well stabilized.

Bromine.—Production fully up to national requirements. Stocks of bromides plentiful, but steady demand prevents surplus accumulation.

Butyl Acetate.—Strength of solvents generally clear in this item. Demand excellent and likely to hold.

Caffeine.—Firm to strong. Demand excellent. Volume down moderately, however, as special interests press less actively for deliveries.

Calcium Gluconate.—Good demand substantially maintained throughout period. Prices entirely free from unsettlement.

Calcium, Hypophosphite.—Seasonal interest gaining. Prices supported by firm undertones.

Camphor.—Japanese gum higher. Powder and slabs, 85c. to 86c. per pound; tablets, 90c. to 91c. Demand running to excellent and entirely seasonal totals. Synthetic strong in price and demand.

Castor Oil.—Beans now quoted on c.&f. basis. Price, $70 per ton. Buyers bidding $65. No business reported. Oil prices remain unchanged.

CHICAGO, April 25.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; extracted, No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Cocoa Butter.—Still showing signs of easier undertones due to competition in narrow market.

Codliver Oil.—Market strictly nominal at about $60 per barrel. Nothing offered firm or freely on spot. Diversion of frozen livers to oil production unlikely. Every pound needed for production of vitamin concentrates. No word from Norway.

Corn Syrup.—Advance maintained. Production cost held to high limits by premium prices on grain. Demand good.

Cream of Tartar.—Demand normal in strong market. Signs of early price reduction totally absent.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

A.D.M.A. meeting, May 5-9, White Sulphur Springs.
T.G.A. meeting, May 14-16, New York.
P.A. meeting, May 20-22. New York.
N.A.P.A. meeting, June 3-6, Cincinnati.
A.P.M.A. meeting, June 9-13, Colorado Springs.
F.W.D.A. meeting, Sept. 8-11, Hot Springs.
N.W.D.A. meeting, Sept. 30-Oct. 3, White Sulphur Springs.
N.Y.B.of T., Drug Sect., outing, Oct. 18-19, Skutov.

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8—HYDROXYQUINOLIN
ISOBUTYL PARA-AMINOBENZOATE
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN CITRATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
PROPYL PARA-AMINOBENZOATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BENZALDEHYDE
BENZYL ALCOHOL
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL OXALATE
DIMETHYL UREA
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Creosote.—Major demand has subsided. Principal season ended. Prices steady.

Ephedrine.—Demand slackens some. Contraction normal for season. Prices continue well stabilized.

Emetine.—Cost to produce running very high due to raw material price. Stocks conservative.

Eserine.—Stocks conservative. Many have no supplies at all. Prices strong and close to being nominal.

Formaldehyde.—Consumption steady and running to normal volume. Prices tend toward stability.

Glycerin. — Good demand. Some gain in movement of chemically pure item. Absence of important competition a stabilizing element locally. Future seems committed to firmness of values.

CHICAGO, April 25.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Iodine and Iodides.—Call fully normal and signs of expansion in inquiry suggest broadening of consumption along seasonal lines soon.

Magnesia.—All forms firm in price. Demand active along normal lines. Stocks available to cover any reasonable expansion.

Mannitol.—Prices have remained unchanged for some time. Recent trend was downward. Prices on natural manna up sharply recently.

Methanol. — Contract deliveries reaching excellent tonnage. General market position firm. Outlook favors stabilization of market at current prices.

Methylethyl Ketone.—Movement excellent. Undertone of the market shows added strength. Prices firmly maintained.

Quicksilver.—Reports conflict. Some say market unchanged. Others allege a decline to $171 per flask. Meanwhile, little demand beyond jobbing size.

SAN FRANCISCO, April 24, 1940.—No change in quicksilver market. Price, $175 per flask. Approximately $178, New York basis. Inquiry light.

Quinine. — Business somewhat slower. Prices show strength and stability. International situation keeps undertones somewhat tense. Danger of German attack on Holland considered real. Would create acute international situation should Japan move in on Netherlands East Indies.

Santonin.—Bill S. 3825 calling for a $20 per pound tax on imported santonin introduced into Congress by Senator McNary of Oregon. Seeks to protect the domestic santonin industry from Russian competition.

Seidlitz Mixture.—Still strong. Production based on high cost raw material. Demand normally active.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	20⅞
Monday	26⅞	34¾	21¼
Tuesday	26⅞	34¾	20⅛
Wednesday	26⅞	34¾	21
Thursday	26⅞	34¾	20⅛
Friday	26⅞	34¾	20⅛

Soda, Benzoate.—Steady gains in demand. Seasonal expansion in call under way. Prices well maintained.

Soda, Bicarbonate. — U.S.P. item moving steadily and smoothly into consumption at normal volume. Prices steady to firm.

Soda, Hypophosphite.—Seasonal expansion in demand noted. Gain moderate but clearly evident. Prices remain well stabilized.

Soda, Mandalate. — Steady demand keeps prices firm. Competition clear of the spot. Outlook favors continued excellence of consumption.

Soda, Salicylate. — Interest about normal. Buyers purchasing little in advance of actual requirements. Prices firmly maintained.

Strychnine.—Demand from agricultural areas expected to spur sales and production. Market based on raw material prevailing on firm to stronger basis.

Drug Store Sales Up Two Percent in 1939

OPD Washington Bureau
April 23, 1940

Sales for drug stores as a whole, including both chain and independent concerns, have been estimated at $1,410,000,000 for 1939 by the Department of Commerce. This compared with $1,376,000,000 in 1938. Drug store sales account for almost 4 percent of the nation's total annual volume of retail trade. The cost value of inventories held by chain drug stores at the end of 1939 was approximately 3 percent below the 1938 figure.

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Drug Interests Pledge Better Relations

—*Continued from page* 4

ices rendered by the wholesaler for the manufacturer. As an example of excessive varieties of products, Dr. Newcomb said that he had counted 3,000 common brands of laxative on the market, all containing only a few identical ingredients and only a few on the actively moving list in the wholesaler's order books.

As chairman of the session, Arthur B. Hill, of Johnson & Johnson, also referred to touchy, ragged-edge relationships and the necessity for ultimate stabilization. He was followed by Charles Luckman, of the Pepsodent Company, who called for courage on the part of the wholesaler to move dead items from his shelves and to weed out unprofitable retail connections.

The challenge of the wholesalers was met by Walter Quinlan, of the Prophylactic Brush Company, who urged that the wholesalers forget their "jittery" anxiety for instantaneous perfection of manufacturer-wholesaler relations. "The manufacturer hasn't yet quit his adjustments to the wholesaler's viewpoint," Mr. Quinlan assured the session, promising that if minds were kept "cool," new price systems all around would result in time. A similar feeling on the wholesale side was expressed by G. B. Moxley, of the Kiefer-Stewart Company, who recalled the long friendly relations, the considerate attitudes on both sides, and boasted that not a single wholesale drug firm of the organization has failed in sixty-five years. Earl Means, of the Bristol-Myers Company, suggested that perhaps the wholesalers and retailers had gone a little too far too rapidly in adjusting their differences, citing instances of greatly reduced profits for the retailer and excessive profits to the wholesaler on certain items.

Taking a text from the chamber of commerce film, that the present is "not too late" to reorganize business so as to eliminate excessive government meddling and excessive taxes, Dr. Russell urged a thorough and studied preparation for salesmen in the drug field. It costs from $250 in the lower brackets to a maximum of $1,000 or $2,000 to train a sales representative properly, he said. This training should be as little as possible based on printed matter and as much as possible based on personal relations between trained sales supervisors and their men. "A man must be sold on his job in an intricate business setup and trained in his viewpoint of himself in the whole organization, if business is to hold its own as a thought unit," Dr. Russell declared.

The spread of the war in Europe came in for brief mention by Dr. Newcomb, who foresaw the overnight raising of prices if the United States should be brought into the picture. He said that regardless of what incidental profit increases there may be, they will never match the ultimate cost in years to come. Individual speakers in the session spoke of the good business record in the drug field during the last five years and hoped for continued profitable volume as a result of stabilization efforts.

F.D.A. Transfer Assurance Lessens

—*Continued from page* 5

Senator McCarran returns to Washington sometime next week. Tentative plans are for open hearings before the senate committee. Congress has sixty calendar days from April 11, the date the plan was submitted, in which to disapprove the plan, and affirmative action by both houses is needed.

Air line pilots and other aviation interests are making a determined effort to block the transfer, and informal polls of both house and senate show that a considerable number of the members of both bodies will vote against it, although opponents are not yet claiming a majority.

So far there has been no public opposition from any quarter to the transfer of the Food and Drug Administration from the Department of Agriculture to the Federal Security Agency. Opponents of the C.A.A. transfer are hoping to get some support from food-processing industries which do not favor the F.D.A. transfer, but to date they have recruited no allies from this field.

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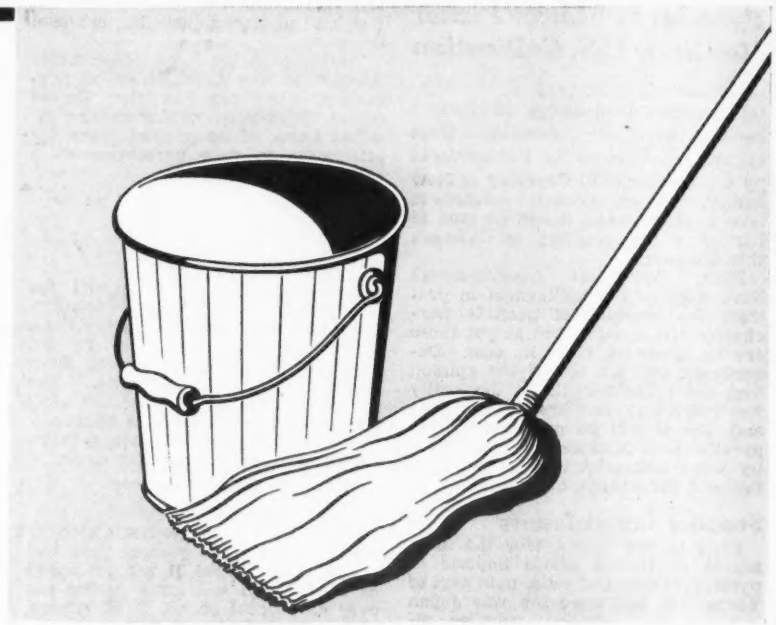

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Pyrethrum Flower Picker May Spur U.S. Cultivation

—Continued from page 3

tal pyrethrum plantings in various parts of the country, including a tract of 100 acres grown in Pennsylvania by the Standard Oil Company of New Jersey. The experimental machine is now in Oregon and it will be used to harvest a test planting in Colorado this Summer.

Farm equipment manufacturers have expressed a willingness to produce the machine if possible purchasers are in sight, but as yet there are no estimates as to its cost. Department officials are of the opinion that the machine will be too costly for individual farmers to purchase and that it will be practical only if pyrethrum is produced in large tracts by some industrial interest or by a farmers' cooperative organization.

Supplies Unsatisfactory

Prior to the World War the main source of United States imports of pyrethrum was Dalmatia, now part of Yugoslavia, but since the war Japan has been the principal supplier, although some has been imported from British East Africa, Brazil, and Yugoslavia. In a recent report on Japanese agriculture the Bureau of Agricultural Economics stated that during the past two or three years the quality of the Japanese product has been unsatisfactory, and buyers of pyrethrum flowers have been turning to other sources as far as possible.

The pyrethrum plant is related to the chrysanthemum and has been found to grow satisfactorily in a great many parts of this country, though the experts feel that it may be most satisfactory when grown under irrigation. Plants are grown from seed in a hotbed and transplanted like tobacco and similar plants, and after the first year they will yield satisfactorily for several years. It is estimated that the yield should be about 700 pounds to 800 pounds of dried flowers an acre. After harvesting there is a problem of drying the flowers to prevent deterioration, and this may be done on wooden platforms or in artificial driers.

While there has been considerable interest in the possibilities of producing pyrethrum in the United States, Department of Agriculture officials know of no present plans for attempting to grow pyrethrum on a commercial scale.

Remington Medal Awarded to Swain

The Remington honor medal for 1940 has been awarded by its founder, the New York branch of the American Pharmaceutical Association, to Dr. Robert Lee Swain, editor of *Drug Trade News* and *Drug Topics*. The award recognizes Dr. Swain's long service to the profession of pharmacy in association, examining board, legislative, and law-enforcement work.

U.S.I. Sales Up 31%

U. S. Industrial Alcohol Company sales so far in the current year had been running about 31 percent ahead of a year ago and gross profits are over 40 percent ahead, C. E. Adams, chairman of the board, told stockholders at the annual meeting. Stockholders have approved amendments to by-laws changing the fiscal year to begin on April 1 and changing the date of the annual meeting to the third Tuesday in July.

McK. & R. Earnings Up

Net profit of McKesson & Robbins, Inc., and consolidated subsidiary companies, for the quarter ended March 31, 1940, was $963,186 after provision for Federal income taxes, reorganization expenses paid by the trustee and recoveries made by him, according to an unaudited income statement just released by William J. Wardall, trustee. This amount does not include provision for interest and amortization on the company's twenty-year 5½ percent convertible debentures. Net profit for the corresponding quarter of 1939 was $638,565, indicating an increase of $324,621, of which approximately $40,000 represents overprovision for Federal income taxes in the first quarter of 1939, for which adjustment was subsequently made in that year. The figures are subject to year-end adjustments, Mr. Wardall said.

Hance Bros. & White Marks 85th Anniversary

Hance Bros. & White Company, pharmaceutical manufacturer, Philadelphia, will observe its eighty-fifth anniversary this year by moving to a new location at Twelfth and Hamilton streets. The five-story double building, recently purchased by the company, contains 50,000 square feet, and is equipped with modern machinery.

Hance Bros. & White was founded originally by Edward H. Hance as a manufacturing pharmacist and chemist. In 1860 he was joined by a partner and operated under the name of Hance, Griffith & Co. The firm continued to bear this name until January 1, 1869, when Mr. Griffith relinquished his partnership, and Mr. Hance was joined by his brother, Joseph Hance, and Dr. James W. White. Dr. White was one of the founders of the S. S. White Dental Company. Officers of the company are:—President, Harry A. Robinson; secretary, Jerome Kaskey, and treasurer, Herman E. Robinson. Dr. Stanley Levy has been placed in charge of the research laboratory, and Edward Kinsella was recently named general sales manager.

Magnesium Sales Up 121%

Sales of magnesium ingot by the Dow Chemical Company, Midland, Mich., the sole producer in the United States, totaled 10,650,121 pounds in 1939, according to the Bureau of Mines. This compared with 4,819,617 in 1938 and 5,539,980 pounds in 1937. The figures also include exports. Data are not available on the total consumption of magnesium in the United States because of the lack of complete information on stocks and exports. The United Kingdom was the chief buyer abroad.

Pharmaceutical Groups Meet May 4 to 11

—Continued from page 5

ing in the forenoon May 6 and will convene again in the afternoon and the next afternoon. The college and board organizations will have a conference with the American Pharmaceutical Association in the forenoon May 7. There will be a conference of pharmacy law enforcement officials in the evening May 6, and a conference on pharmaceutical research the next afternoon.

The American Pharmaceutical Association will have its first general session in the evening May 7 and subsequent sessions in the forenoon May 9 and 11. The house of delegates will meet in the forenoon May 8 and in the evening May 9 and 10. The several sections of the association will meet at various times May 8, 9, and 10, and there will be a symposium on professional pharmacy in the afternoon May 9. The Plant Science Seminar will take a trip in the afternoon May 11 and hold its business session that evening.

Adipic Acid Now Made Commercially by duPont

A pure grade of adipic acid is now being manufactured domestically on commercial scale by E. I. duPont de Nemours & Co., Wilmington. This new product is being handled by the ammonia department. The price is 31c. per pound, f.o.b. Belle, West Virginia, for any size lots shipped in fiber containers.

Molasses Takes Class Rates

Albany, Apr. 24, 1940

The New York Public Service Commission has approved cancellation by the Delaware & Hudson railroad of its commodity freight rates on blackstrap molasses, carload, from Albany to various stations on Baltimore & Ohio, Erie, Lehigh Valley and Pennsylvania. Reductions to class rates. Effective May 13, 1940.

Botanical Drugs, Spices, and Gums

Pyrethrum Flowers Easier—Several Qualities of Doggrass Root Offered — Senega Advance Maintained — Ipecac Strong —Competition in Golden Seal—Spot Japan Scarce

Demand filtered into the spot market quietly, not expansively, and in a volume indicating that most manufacturing consumers were trading only as the actual need arose. The absence of a more intense interest failed to develop a strain of marked unsettlement among those supplying the bulk of botanical merchandise.

In fact, the basic position of botanical drug items was no less firm than it had been for weeks. The causes that brought high prices, remained little changed in foreign markets. The makings of unrest still existed in the uncertainties of Italy's ultimate position on the Continent. Feeling that the war would spread to Sweden and Italy was widely spread on spot and contributed to the basic strength and potentialities of the situation. The position of Belgium and Holland was considered precarious. And the large Allied army being accumulated in the Near East was not considered a harbinger of peace.

In view of the general situation abroad, and also of the almost frank Mussolinian inference that Italy would stand by her German axis partner, it was not surprising that botanicals were basic in strength regardless of individual price movements in any given transaction.

Balsams

Peru.—No further change. Prices steady. Demand moderate.

Tolu.—Firmer. Slight upward price tendency. Fair request.

Barks

Buckthorn.—Firm to firmer. Competition under repression. Stocks conservative. Replacement difficult.

Butternut.—Steady. Demand routine, mainly jobbing. Fair stocks.

Canella Alba.—More inquiry. Gain in sales doubtful. Prices reasonably steady.

Cascara Sagrada.—Signs of probable price trend in primary market lacking. Status quo maintained here.

Cocillana.—Unsettlement not extended. Demand that led to price reduction under competition not repeated.

Elm.—Trade seasonally slow. Prices steady.

Orange Peel.—Competition still unsettled prices on sweet peel.

Soap.—Reasonably competitive but lacking in price decline in open market.

Beans

Calabar.—Demand jobbing. Fair stocks. Steady prices.

St. Ignatius.—Demand hand-to-mouth. No price activity.

Vanilla.—Some reports of slightly more competition locally for Bourbon business. Market shaded to $5.85 per pound at times. Market still basically strong because of subnormal stocks.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	1,915
Belladonna	69	285
Caraway	200	10,380
Cardamom (cases)	...	740
Celery	...	2,676
Coriander	600	4,160
Cumin	997	3,607
Digitalis leaves (cases)	1	1
Dill	...	74
Fennel	290	803
Henbane leaves (bales)	219	219
Mustard	2,800	6,077
Poppy	200	11,485
Sage leaves (bales)	...	44
Sesame	1,043	4,868
Stramonium	117	334
Thyme	...	893

Price Changes

Advanced

Caraway seed, Dutch, ¼c. per lb.
Russian, ½c. per lb.
Celery seed, Russian, ½c. per lb.
Camphor, Japanese, powder, 2c. per lb.
slabs, 2c. per lb.
tablets, 2c. per lb.
Cassia, China, select, broken, ¼c. per lb.
Mustard seed, Danish, ¼c. per lb.
Nutmegs, W.I., 1¼c. per lb.
Paprika, Bulgarian, ½c. per lb.
Hungarian, extra, ¼c. per lb.
medium, ½c. per lb.
Poppy seed, Dutch, ½c. per lb.
Rapeseed, Japanese, 1c. per lb.

Reduced

Anise, Spanish, 1c. per lb.
Cyprus, ½c. per lb.
Canary seed, Morocco, ⅛c. per lb.
Turkish, ¼c. per lb.
Celery seed, French, ½c. per lb.
Coriander seed, natural, ½c. per lb.
bleached, ¼c. per lb.
Doggrass root, 3c. per lb.
Dillseed, ½c. per lb.
Fennel seed, French, ¼c. per lb.
Fenugreek seed, ½c. per lb.
Gum, arabic, sorts, 1c. per lb.
Pepper, white, Java Muntok, ¼c. per lb.
Pimento, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
193.5	193.5	195.3	122.2

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Buckthorn.—Still firm but lacking important activity.

Cubeb.—Replacement cost maintained. Not much request.

Juniper.—Very firm. Replacement cost shows no weakness. Stocks locally in strong hands.

Flowers

Chamomile.—Fair trading at firm prices. Spring requirements about normal.

Clover Tops.—Firm abroad. Steady here. Demand jobbing.

Elder.—Slightly more competition. Prices not openly affected.

Lavender.—Unsettled. Prices favor buyers. Irregular call.

Mullein.—Substantial lessening of competition. Price improvement likely to come.

Pyrethrum.—Japanese market easing. Buyers holding aloof. Kanya Colony item in favor.

Poppy.—Dull market. Conditions favor buyers. Few purchases.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

A.S.T.A. meeting, May 6-8, New York.
P.A. meeting, May 20-22, New York.

OLD IN EXPERIENCE • YOUNG IN IDEAS
HOPKINS DRUGOLOGY
TRADE-MARK
Importers, Exporters and Millers of the world's best crude drugs
J. L. HOPKINS & CO. NEW YORK
50 YEARS UNDER THE SAME MANAGEMENT

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GUM KARAYA
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PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-3750

WE HAVE THE FOLLOWING TO OFFER:
ANISE SEED, Bulgarian
CANARY SEED, Morocco 2%
CELERY SEED French and India
CLOVES MADAGASCAR
CORIANDER SEED Hungarian and Moroccan
CUMIN SEED
FOENUGREEK SEED
MARJORAM LEAVES, French
PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
AMINOPHYLLIN
ASPIRIN, QUININE AND OTHER TABLETS
BARBITAL
CAFFEINE
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL
LANOLIN ANHYDROUS
MENTHOL Japanese and Chinese
MILK SUGAR U.S.P.
PETROLATUM U.S.P.
STRYCHNINE
NORWEGIAN COD LIVER OIL, Medicinal and Poultry
ORANGE OIL, Sweet
PEPPERMINT OIL U.S.P.
SAVIN OIL
AGAR AGAR JAPANESE Shreds, Cut and Powder
ALOES, Curacao and Cape
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
CORIANDER OIL, U. S. P.
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE Powder, Slabs and Tablets
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
LAVENDER FLOWERS Hand Picked and Prime
LINDEN FLOWERS
MAHUANG, CHINESE
MALEFERN ROOT
ORRIS ROOT VERONA
PSYLLIUM SEED Black and Blonde
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AROSOL

HOW DO YOU EVALUATE THE PERFUME YOU PUT IN YOUR PRODUCT?

There are various ways in which it is usually done.

No. 1 Price per pound.
This can mean about anything. It is no index of value at all.

No. 2 Impression on smelling the oil either from a bottle or on a blotter.
This also is unreliable.
Many oils smell entirely different in the finished product.

No. 3 From the odor of the finished product directly after manufacture.
This also is deceiving as odors change in the finished product with the passage of time.

No. 4 After the lapse of a sufficient period comparable to the time normally elapsing between the product shipment from your plant and its use by the ultimate consumer.
This is the only test. The only value you receive from money expended in perfuming your product is the value at the time of its ultimate consumption.

AROSOL is a universal fixative which insures a more lasting perfume in your product. This hsa been scientifically proven.

AROSOL is inexpensive and may be used in proportion of from 10 to 20% depending upon the type of odor. Its neutral balsamic aroma permits its use in all types of odors.

It is soap-fast and will not discolor.

AROSOL has been on the market for a number of years and these claims have been fully substantiated.

Its great value has been amply demonstrated by the rapidly increased list of satisfied users.

Requests for samples on your firm's letterhead and further information will be promptly furnished.

We recommend the following for use in Soaps, Fly Spray Deodorants, Air Purifiers, etc.

These are exceptional values—Odors which are infinitely finer than the price would indicate.

Spice, No. 2861	Incense, No. 2865
Lily of the Valley, No. 2862	Rose Geranium, No. 2866
Lilac, No. 2863	Mimosa, No. 2867
Jasmine, No. 2864	Eau de Cologne, No. 2905

AROMATICS DIVISION
GENERAL DRUG COMPANY
170 VARICK ST., NEW YORK TRANSPORTATION BLDG., LOS ANGELES, CAL.
9 SO. CLINTON ST., CHICAGO, ILL. 907 ELLIOTT ST. WEST, WINDSOR, ONT.

Gums

Arabic.—Unsettled. Competition more pressing. Sorts quoted 8½c. to 9c. per pound.

Asafetida.—Competition pressing. No open price change. Shading not unlikely.

Camphor.—Japanese gum higher. Powder, 85c. to 86c. per pound; slabs, 85c. to 86c.; tablets, 90c. to 91c. Offerings few from Japan. Good demand here, being a seasonal call. Domestic synthetic firmly maintained at late advances. Canadian imports, natural and synthetic, first nine months, 1939 and 1938, follow:—

	Pounds—1938.	1939.
United Kingdom	126	68
United States	14,014	13,937
Germany	29,500	31,074
Japan	3,900	11,003

Herbs and Leaves

Belladonna.—Firm. In routine request at steady prices.

Buchu.—Underproduction in primary market. Spot quotations firmer.

Henbane.—Still quoted 45c. to 50c. per pound. But very firm in the absence of important competition. Replacement cost high.

Henna.—Steadier but not more active. Price decline checked.

Marjoram.—Interest sufficient to steady prices creates fair trade.

Savory.—Buyers criticize quality of some offerings. Good quality in firm price position.

Miscellaneous

Agaric.—Limited quantity held at high prices. No trading.

Ergot.—Quiet market. Undertones still slightly easy. No further shading of open quotations.

Irish Moss.—Foreign situation creates firm undertones. Conservative spot trading at steady prices. Moderate stocks.

Kola Nuts.—Demand slightly better. No price improvement. Competition still active.

Roots

Doggrass.—Wide range in quality of spot stocks. Genuine Hungarian firmly held and sold at 24c. per pound. Other sources provide stocks sold last week at 15c. to 18c. per pound.

Ipecac.—Strong. Matto Grosso almost impossible to get. Nicaraguan root supplying most requirements parforce. Price tendency upward.

Jalap.—No early change in Mexican shortage. Prices strong, all markets.

Rhubarb.—Steadier at late decline. Routine demand not large.

Seeds

Anise.—Decline to 26c. to 27c. per pound on Spanish, and Cyprus seed to 15c. to 15½c. per pound sole price changes.

Canary.—Shaded to 3¼c. to 3¾c. per pound under competition.

Caraway.—Fraction higher at 13½c. to 14c. per pound on Dutch seed; Russian, 12c. to 12½c.

Celery.—Market competitive. French seed down to 20c. to 20½c. per pound. Indian seed higher at 13½c. to 14c. on demand.

Coriander.—Lower. Market 3.80c. to 4.10c. per pound on natural seed. Bleached, 6½c. to 7c.

Dill.—Shaded to 7½c. to 8c. per pound.

Fenugreek.—Down to 4½c. to 5c. per pound under competition.

Mustard.—Severe speculative activity in domestic seed. Danish yellow higher at 14c. to 14½c. No other changes.

Poppy.—No Hungarian available. Dutch seed higher at 13¾c. to 14¼c. per pound.

Rape.—Heavy call for Japanese seed. Price up to 7½c. to 8c. per pound. Offerings few, spot or forward.

Spices

Cassia.—Extra select broken China quill higher at 8½c. to 9c. per pound. No other change.

Clove.—A wee fraction higher at 15⅝c. to 16c. per pound.

Nutmegs.—West Indians sharply up to 11c. to 11½c. per pound.

Paprika.—Bulgarian higher at 24c. to 24½c. per pound. Hungarian extra fancy, 33½c. to 33¾c.; medium, 30½c. to 31c. Portuguese, unchanged.

Pepper.—Black lampong up to 4.20c. to 4.35c. per pound. Singapore Muntok white shaded to 7¼c. to 7½c. Mombassa Chillies, advanced to 28c. to 29c.

Trading in black pepper futures on the New York Produce Exchange from April 20 to April 26, inclusive, comprised 156 contracts, a total of 5,241,600 pounds. Following is a price record for the week:—

	Cents per pound—High.	Low.	Close.
January	4.18	4.18	4.00@4.12
March	4.25	4.23	4.12@4.19
May	3.90	3.70	3.78@3.84
July	3.96	3.96	3.87@3.94
September	4.04	3.97	3.95@4.00
October	4.00	3.99	4.00@4.03
December	4.14	4.09	4.05@4.08

Pimento.—A shade lower at 18¾c. to 19c. per pound.

James S. Adams, executive vice-president, has been named a member of the directorate of the Colgate-Palmolive-Peet Company, Jersey City.

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Processed and Standardized in Grades to Meet All Requirements
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ORANGE
LIME
LEMON

SOLUBLE, NON-SPOILING FRITZBRO CONCENTRATES

Introduction of these Concentrates some years ago marked a new and important advance in the art of citrus flavoring. Because of their high concentration, much greater solubility and stability, FRITZBRO Concentrates are now used the world over in all kinds of food, beverage and desert products requiring the delicious fresh fruit effects of Orange, Lemon or Lime. A circular describing and indicating some of the applications of our Citrus Concentrates will be sent to any manufacturer upon request.

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FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Bergamot Advance Extended—Cold Spring Delays Expansion in Citrous Oil Demand—Thyme Slightly Easier—Juniper Firmer and Stronger—Peppermint Firm

Market undertones continued firm and the call for essential oils and aromatic chemicals remained moderate but very steady. Quantities in request were conservative in size but sales built a total volume that kept prices free from weakness.

The foreign situation remained one of dominant importance so far as this market was concerned. Cost to import replacement supplies were rarely lower than it had been of late and, in numerous instances, was actually higher. Freight carriers found it increasingly difficult to move merchandise to the spot in the time normally required. Delays were numerous and inescapable. For example, it often takes two weeks to pass through the Mediterranean Sea from points normally requiring three days. War risk and insurance rates were no cheaper during the period under review and, in fact, tended to rise with the spread of the war area.

Fair sized stocks were available on the spot but in view of the foreign markets and difficulties relating to the securing of replacement supplies, no item on spot was in oversupply. Sellers maintained firm prices and showed a substantial ability to hold values while awaiting a broadening of demand.

Price Changes

Advanced

Bergamot, 25c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
106.2	**105.5**	**103.4**	**67.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet oil easy. Prices likely to yield further under competition. Not much demand.

Amber. — Demand hand-to-mouth. Volume constricted. Prices quiet and unchanged.

Angelica.—Small stocks held in strong hands. Replacement of current supplies uncertain.

Anise.—Moderate demand. Prices quite steady. Competition not excessive. Stocks fair in size.

Bergamot.—Higher at $6 to $6.50 per pound. Strongly held and controlled abroad. Price serves to restrict trading.

Cajeput.—Very firm. No price shading. Demand moderate but steady. Stocks sufficient.

Camphor.—Steady to firm but not especially active. Stocks still low. Not likely to increase much. Primary market strong.

Cananga.—Firm market under fair demand. Recent advance fully maintained. Competition inactive. Stocks moderate.

Capsicum (Oleoresin).— Production cost maintained by high price on raw material. Demand routine. Orders numerous for small lots.

Cassia. — Demand still moderate. Volume fair. Prices steady. Replacement cost firm.

Citronella.—In irregular demand. Prices fairly steady. Reserves ample locally.

Clove.—Movement very good and about normal. Prices steady to firm.

Coriander.—Quiet. Demand only for prompt needs. Prices firm due to high cost of production.

Croton. — Hand-to-mouth demand builds moderate volume. Prices fully steady.

Cubeb.—Jobbing call steady. Volume small. Prices firm.

Cumin.—Little competition. Stocks conservative. Not widely distributed. Replacement cost firm.

Cypress.—Current trade only for prompt needs. Volume conservative. No price unsettlement.

Dill.—Seasonal demand very good. Prices firm. Limited competition for contract business.

Eucalyptus. — Strong and tending stronger as well as higher. Demand normally active. Stocks subnormal. Replacement offerings few.

Geranium.—Demand improved moderately. Prices fully firm. Stocks meeting all requirements. Replacement cost maintained.

Grapefruit.—Steady. Demand routine but showing some expansion. New users steadily increasing.

Juniper.—Strong. Replacement uncertain and prices hold high. Stocks moderate and not widely distributed locally. Demand good.

Lavandin.—In moderate supply at home and abroad. Higher prices fully maintained. Demand normally active.

Lavender.—Higher market supported by steady, fair-sized demand. Stocks conservative. No surplus abroad.

Lemon.—Good demand for California oil. High prices limit sales of Italian oil. Seasonal demand delayed by cold Spring.

Lemongrass.—Routine call. Small lots the main request of buyers. Prices steady.

Lime.—Movement fairly quiet. Jobbing transactions mainstay of demand. Prices firmly entrenched.

Linaloe.—Steady movement in moderate quantities emphasizes firmness of spot prices.

Nutmeg.—Firm. Movement normal and lacking influential competition. Prices well maintained.

Orange.—Cold Spring restricts sales. Plentiful supplies. Prices low, reasonable, and very attractive.

Peppermint.—Steady in price. Moving slowly but steadily to buyers. Carryover expected to be moderate this year.

Pineneedle.—Good interest shown in moderate quantities. Prices very steady here, conforming to replacement situation.

Rosemary.—Undertones slightly easier. Some shading of quotations alleged. No open change in prices.

Sage.—Extra fine French made oil costs $35 per pound. Usual commercial article selling over range $2 to $3 as to quality and seller.

Spearmint. — Little competition. Prices steady and apparently stabilized. Stocks still fair in size.

Aromatic Chemicals

Carvol. — Routine transactions in stable market. Limited competition.

Coumarin. — Good demand. Call exceptionally steady. Production up to present volume of requirements.

Dimethyl Phthalate. — Steady in price but in hand-to-mouth demand for the most part.

Dimethyl Hydroquinone.—Business rather slow. Mainly for jobbing quantities. No ill effect on prices quoted.

Diphenyl Methane.—Demand quieter. Volume less. Prices unaltered. Replacement cost firm.

Diphenyl Oxide. — Inquiries improve and increase. Prices fully steady. Plentiful supplies.

Ethyl Cinnamate.—Market one of routine activity. Small lot movement gaining, however. Prices well stabilized.

Ethyl Phenylacetate.—Interest restricted to prompt requirements. Undertones steady to firm. Prices fully maintained.

Ethyl Vanillin.—Demand normal in kind and volume. Quotations very steady.

Eucalyptol.—Firm to strong. Raw material price accounts for current strength. Demand very good.

Eugenol.—Firm market and prices. No tendency toward price shading. Business normally active.

Geraniol.—Steady prices. Demand not expensive. Stocks plentiful.

Geranyl Acetate. — Inquiries more numerous. Some gain in quantities asked for. Prices substantially stable.

Geranyl Formate.—Demand shrinks to jobbing size. Prices not affected. Stocks ample.

Geranyl Propionate.—Call irregular and not particularly consequential. Undertones still steady.

Heliotropine.—Firm prices. Replacements uncertain. Domestic production meeting many demands.

Hyacinth Geraniol.—Jobbing movement very good. Prices generally firmer. Competition unimportant.

Isoborneol.—Almost out of supply. All quotations nominal.

Isoeugenol. — Steady. Demand normally active. Market undertones steady.

Linalool.—Firmer. Less competition and more adherence to open quotations. Moderately improved demand.

Linalyl Acetate.—High test goods in very low supply. Fair stocks of 70 percent material at $1.75 per pound. No shading.

Methylhexyl Ketone.—Perfumers' grade fetching $2 per pound. Technical article, 60c. per pound.

Methylnaphthyl Ketone. — Perfumers' grade brings $3.10 per pound, steadily and free from competition.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

A.S.T.A. meeting, May 6-8, New York.
T.G.A. meeting, May 14-16, New York.
F.E.M.A. meeting, June 24-26, Chicago.

3 WATER SOLUBLE PERFUMES

ORANGESOL MM&R ROSESOL MM&R
BLUEBELLOL MM&R (Lilac Type)

A triumvirate of water soluble perfumes that are superior to the more expensive odors they replace. All three dissolve clearly, requiring no filtration and are not subject to bacteriological putrefaction or freezing.

Samples available on request

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OIL OF SANDALWOOD EAST INDIA

We are pioneers in the distillation of this Oil in U. S. A. Looking back over our fifty-five years business experience, we can say that during half that time we have been manufacturers of Sandal Oil, and we unhesitatingly and without reserve offer our product as

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STANDARD SYNTHETICS INCORPORATED
Distillers of Essential Oils and Manufacturers of Aromatics
39 WEST 32nd STREET - - NEW YORK

TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
Tombarel Products Corp.
9-11 East 19th Street, New York, N.Y.

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Barium Acetate

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Chemical

Catalyst (U.S. 1315525 in making—
  Acetone
Ingredient (U.S. 1473543) of—
  Catalytic mixtures used in making—
    Ammonia
Process material in making—
  Acetone (U.S. 1361131)
  Butyleneglycol acetates (U.S. 1259758)
  Chloroethyl acetate (U.S. 1259758)
  Ethyleneglycol acetates (U.S. 1259758)
  Glycol acetate (U.S. 1259758)
  Olefinglycol acetates (U.S. 1259758)
  Propyleneglycol acetates (U.S. 1259758)
Starting point in making—
  Barium carbonate (U.S. 1361131)
  Copper acetate
  Other acetates

Metallurgical

Ingredient of—
  Case-hardening agents (U.S. 1361131 and 1492192)
  Etching agent (U.S. 1314839, 1314840, 1314841, and 1314842) for—
    Brass
    Copper
    Nickel
    Steel
    Zinc

Paint and Varnish

Ingredient (U.S. 1147852 and 1167641) of—
  Finish remover
Saponifying agent (Brit. 400799) in making—
  Driers consisting of complex salts of the fatty acids of wool-grease and common acids, such as naphthenic, linoleic, and resin acids

3-Betahydroxyethoxy-cyclotetramethylene-sulphone

Chemical

Intermediate (Brit. 489974) in making—
  Textile assistants

Dye

Intermediate (Brit. 489974) in making—
  Dyestuffs

Bromoacetophenone

(Phenacyl Bromide, Phenylbromomethyl Ketone)

Chemical

Reactant in—
  Organic syntheses

Dye

Reactant in making—
  Synthetic dyestuffs

Military

As a military poison gas

5-Chlor-2-paratoluidin-phenylmethylsulphone

Chemical

Intermediate (Brit. 490043) in making—
  Medicinal chemicals

Dye

Intermediate (Brit. 490043) in making—
  Dyestuffs

Diethylcyclohexylamine

Chemical

Reactant in—
  Organic syntheses
Starting point in making various derivatives
Starting point (Brit. 469642) in making emulsifying agents with—
  Arachidic acid
  Capric acid
  Coconut-oil fatty acids
  Cottonseed-oil fatty acids
  Cycloaliphatic acids
  Hardened train-oil acids
  Lauric acid
  Linoleic acid
  Linseed-oil fatty acids
  Margaric acid
  Myristic acid
  Naphthenic acids
  Mondecylic acid
  Nonylic acid
  Oleic acid
  Olive-oil fatty acids
  Palmitic acid
  Pentadecylic acid
  Poppyseed-oil acids
  Resins acids
  Ricinoleic acid
  Soybean-oil fatty acids
  Stearic acid
  Sunflowerseed-oil fatty acids
  Train-oil acids
  Tridecylic acid
  Undecylic acid
  Unsaturated acids

Di-iodoformoxime

Chemical

Reactant in—
  Organic syntheses

Military

Suggested for use as—
  Military poison gas

Fluolauric Acid

Disinfectant

Germicide (Brit. 453830) in—
  Disinfectant soaps

Glyceroldichlorhydrin

(Continued from April 22 issue)

Miscellaneous

Solvent in—
  Coating compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used for protecting and decorating various articles
Solvent in making—
  Artificial hair (U.S. 1217028)
  Reproductions of pictures and paintings (U.S. 1143860)
  Varnishes for coating the soles and heels of boots and shoes (French 568716)
  Waterproofings for fishing lines made of cotton, linen, or silk (U.S. 1165179)
Solvent miscible with—
  Most organic solvents
  Vegetable oils

Paint and Varnish

Binder for—
  Water colors
Solvent for—
  Cellulose acetate
  Ethylcellulose
  Gums
  Nitrocellulose (some types)
  Resins
  Triphenyl phosphate (U.S. 1319229)
Solvent in—
  Paints, varnishes, lacquers, enamels, and dopes containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers
Solvent (special) in—
  Finish removers (U.S. 1146854, 1156119, 1167640, 1169783, and 1185641)
  Paints (U.S. 1156119)
  Varnishes (U.S. 1156119, 1436820, and 1451843)

Paper

Solvent in—
  Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Petroleum

Solvent (Germ. 362459) in—
  Refining processes

Photographic

Solvent in making—
  Films from nitrocellulose, cellulose acetate, or other esters or ethers of cellulose

Plastics

Solvent in making—
  Amber substitutes (U.S. 1386576)
  Artificial amber (U.S. 1245476)
  Buttons (U.S. 1395729)
  Celluloid substitutes (U.S. 1217027, 1245476, 1386576, and 1420028)
  Gelatin substitutes (U.S. 1217027)
  Horn substitutes (U.S. 1245476 and 1386576)
  Ivory imitation (U.S. 1245476 and 1386576)
  Knobs, handles, and the like (U.S. 1395729)
  Laminated fiber products
  Marble imitation (U.S. 1245476)
  Molded articles (special) (U.S. 1395729)
  Molded products
  Plastics from or containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers
  Products from materials, such as colloidal fish protein, casein, and blood (U.S. 1395729)
  Protein-base plastics (French 535565)
  Synthetic films and filaments (U.S. 1217027)
Starting point (French 557765) in making—
  Agents for joining rubber to phenol-formaldehyde resins

Rayon

Solvent (U.S. 1217028) in making—
  Rayon

Resins

Ingredient (U.S. 1156119) of—
  Solvent mixtures for resins
Solvent for—
  Benzyl abietate
  Copal esters
  Cumar
  Dammar
  Elemi
  Ester gum
  Formaldehyde condensates (U.S. 1451843; French 684317)
  Glyptols
  Hexamethylenetetramine condensates (U.S. 1451843; French 684317)
  Manila gum
  Mastic
  Phenol-aldehyde condensates (U.S. 1451843; French 684317)
  Resins (U.S. 1203435 and 1451843; French 684317)
  Shellac
  Soft copals
  Venyl acetate condensates (U.S. 1451843)
  Vinyl chloride condensates (U.S. 1451843)
  Vinyl ether condensates (U.S. 1451843)
  Vinylethyl ether condensates (U.S. 1451843)
  Vinylpropyl ether condensates (U.S. 1451843)
Solvent in making—
  Artificial resins from or containing nitrocellulose, cellulose acetate, or other cellulose esters or ethers

Rubber

Solvent in—
  Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Solvent in—
  Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Solvent in—
  Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Solvent in —
  Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as protective and decorative coatings on woodwork

Methylcyclohexylamine

Chemical

Reactant in—
  Organic syntheses
Starting point in making various derivatives
Starting point (Brit. 469642) in making—
  Emulsifying agents with—
    Arachidic acid
    Capric acid
    Coconut-oil fatty acids
    Cottonseed-oil fatty acids
    Cycloaliphatic acids
    Hardened train-oils acids
    Lauric acid
    Linoleic acid
    Linseed-oil fatty acids
    Margaric acid
    Myristic acid
    Naphthenic acids
    Nondecylic acid
    Nonylic acid
    Oleic acid
    Olive-oil fatty acids
    Palmitic acid
    Pentadecylic acid
    Poppyseed-oil acids
    Resin acids
    Ricinoleic acid
    Soybean-oil fatty acids
    Stearic acid
    Sunflowerseed-oil fatty acids
    Train-oil acids
    Tridecylic acid
    Undecylic acid
    Unsaturated acids

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Petroleum Solvents Lubricants, Fuels

Solvents and Diluents and Crude Scale Wax More Active —Petrolatum Reductions Failed to Attract Buyers—Gasoline Market Slowly Improving—Lubricants Easier

Activity in the general market for refined petroleum products was mixed last week, with some materials in better demand and others slowing down. Solvents and diluents were being shipped into consumption at a better rate, with tire makers and paint manufacturers being the heaviest buyers. Crude scale wax was beginning to tighten. Several refiners were unable to fill large orders. Refined grades were in good call. The gasoline situation was improving and there was a strong demand for kerosene. Reductions in various grades of petrolatum two weeks ago, failed to attract any considerable amount of buying interest, however, and the market could only be regarded as routine. Heating oils were in less demand and domestic and export call for lubricants was lighter.

Price Changes

Advanced

None

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Cleaners' Naphtha.—Good movement of stocks. Price firm.

Lacquer Diluent.—Pick-up in trade reported. No changes in prices.

Petroleum Thinners. — Shipments heavier. Inquiries more numerous. Paint makers good buyers. Prices steady and unchanged.

Rubber Solvent. — Movement of stocks to tire makers continued satisfactory. Inquiries held up. Price firm.

Stoddard Solvent.—Cleaning trade showed more buying interest. Contract shipments heavier. Prices firm.

Markets at Other Centers

Chicago—April 25

Petroleum diluents and solvents remain quiet. Paint industry buying is somewhat better. Ruling prices in tank-car lots f.o.b. Group 3 Oklahoma are:—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅞c. to 8c.; v. m. & p. naphtha, 6⅞c. to 7c.

New Orleans—April 25

Paint ingredients continued to highlight the market for solvents and diluents, with an active buying interest reported. Cleaning products were also moving well. Prices were:—

CLEANING SOLVENT.—Boiling range 225-350, gravity 53, 6¾c., delivered New Orleans in tankcars.

V.M.P. NAPHTHA.—Boiling range 175-425, gravity 48, 6½c., same basis.

Tulsa—April 25

Better movement of solvents and diluents used by rubber and paint manufacturers continues, but quotations remain unaffected by the increased trading.

Lighter Fractions

Butane. — In good demand and strong.

Heptane. — Improvement in sales volume reported. Price steady.

Hexane. — Market purely routine. Price firm.

Octanes.—Slight pick-up in trade reported. Price steady.

Pentanes.—Sales volume normal and satisfactory to sellers. Price unchanged.

Propane.—Good demand reported, with price very firm.

Petrolatums and Waxes

White Mineral Oils. — Domestic grades firm, with demand satisfactory. Russian oil stocks low and sales curtailed.

Petrolatum.—Reductions made two weeks ago failed to influence buyers and no decided pick-up in demand was reported. Prices were firm.

Paraffin. — The market for crude scale wax was beginning to tighten again and several refiners were limiting and curtailing sales. Prices were firm to strong. Refined grades were moving well. Quotations were firm.

Chicago—April 25

Refined wax is reported somewhat easier. Inquiry however, is fairly good. Deliveries on contract are moderate. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65 to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—April 25

Despite a better movement, quotations on crude scale wax remain easy. The 124-126 material is offered at 5c. to 5¼c. per pound.

Fuels and Lubricants

Gasoline.—Interest slightly better. Actual buying still light. Prices easy.

Kerosene.—Demand still at good levels. Prices firm and unchanged.

Fuel and Gas Oils.—Grade C bunker fuel oil slightly tighter. Demand holding well. Heating oils still firm and in good demand.

Lubricating Oils. — Pennsylvania grades easier. Demand slacker. Export call not as strong as previously.

Markets at Other Centers

Chicago—April 25

The gasoline market is marking time, with demand opening up fairly well in response to the season, but with prices apparently being affected somewhat adversely by the large stock accumulations. Kerosene is in good call and is moving well, as are tractor fuels. Range oil and the good grades of furnace oils are holding their own. Heavy fuel is quiet but firm. The lubricating oil market is easier.

GASOLINE.—Low octane motor, 4c. to 4⅛c. per gallon; 63-66 octane motor, 4⅜c. to 4½c.; 72-74 octane motor, regular, 4¾c. to 4⅞c.; 60-62, 400, 4c. to 4⅛c.; 64-66, 375, 4c. to 4¼c.; 68-70, 360, 4½c. to 4¾c.

KEROSENE.—42-44, water white, 4⅛c. to 4¼c. per gallon; 41-43, water white, 4c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 prime, 3⅝c. to 3⅞c.; No. 1 straw, 3½c. to 3¾c.; No. 2 straw, 3⅜c. to 3⅝c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4 $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

New Orleans—April 25

Prices again remained unchanged during the current week. U. S. motor gasoline was quoted at 5¼c.; 63-67 octane at 5½c., and 70-72 octane at 6c., all prices being based on a per-gallon rate at refinery. Kerosene remained steady at 7⅜c. per gallon. Bunker C fuel oil was 90c. per barrel at terminal, and 95c. delivered alongside, while industrial plants were quoted at $1.36 per barrel, delivered alongside.

Tulsa—April 25

The top-heaviness in stocks of gasoline on the Gulf Coast has become more pronounced and the increase gave evidence of counteracting the better inland situation developing as a result of a greater increase in orders and shipments. The price situation is unchanged. There is a pronounced upward trend in fuel oil, with a large demand for products consumed in agricultural work. Kerosene stocks are at the lowest level in many years. Top quotations for light fuel oils for 1940 contracts are 15c. to 20c. per barrel over last year, although crude prices are slightly lower. In the retail markets, however, there has been a reduction of ¼c. per gallon.

With the exception of easiness in lubricants and strength in kerosene and allied products, the tone of the market this week is unchanged.

GASOLINE.—U. S. motor third grade below 60, 3⅞c. to 4⅛c. per gallon; 67-69 octane, 4⅛c. to 4½c., and 72-74, 4⅝c. to 4⅞c.

NATURAL GASOLINE.—Texas markets:—26-70, 1¼c. per gallon, and 18-55, 1½c. Oklahoma:—26-70, 1½c., and 18-55, 1¾c. to 1⅞c.

KEROSENE.—The 42-43 grade is 3⅞c. to 4⅛c. per gallon, and the 42-44 is 4⅛c. to 4⅜c.

DISTILLATES.—No. 1 prime white, 3⅝c. to 3⅞c. per gallon, and No. 2 straw, 3⅜c. to 3⅝c.

FUEL OILS.—Residuals, 45c. to 50c. per barrel, and 18-22, 70c. to 75c.

LUBICRANTS.—The bright stocks remain at 20c. to 26c. per gallon, and neutrals are 11½c. to 20c.

Texas Corporation, this city, plans to refund its $60,000,000 of 3½ percent debentures, due June 15, 1951, by issuance of new $60,000,000 debentures due in not less than twenty years.

The State of the Petroleum Market

Both crude oil and gasoline prices were unchanged last week.

	April 26	April 19	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0520145	.0520145	.0484375

Crude Oil Daily Output Up

Daily average gross crude oil production in the United States during the week ended April 20 was 3,858,550 barrels, an increase of 4,750 over the 3,853,000 in the preceding week, according to the American Petroleum Institute. A decline of 23,700 barrels and an increase of 15,900 in the daily average outputs of California and Texas, respectively, were the most important changes. Stocks of finished and unfinished gasoline in the United States at the end of the week amounted to 102,817,000 barrels, an increase of 980,000 from the 101,837,000 at the end of the week before. A year ago, these stocks were 87,394,000 barrels. Finished gasoline stocks gained 897,000 barrels to 96,210,000, against 81,478,000, correspondingly in 1939.

Kentucky Oil & Gas Association has elected N. W. Shiarella president.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Apr. 27	1939 Jan. 1-Apr. 27
Commercial crude oil production.....	436,023,024	415,500,387
	Week ended Apr. 27, 1940	Week ended Apr. 28, 1939
Daily average production.....	3,420,858	3,598,613
Bureau of Mines estimate.....	3,550,000	3,434,000
	Week ended Apr. 20, 1940	Week ended Apr. 13, 1940
Estimated motor fuel stocks.....	102,817,000	101,837,000
Estimated finished motor fuel stocks.....	96,210,000	95,313,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

A.P.I. meeting, May 27-31, Fort Worth.
N.P.A. meeting, Sept. 18-20, Atlantic City.

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Atlantic Refg. Honored On 70th Anniversary

Commemorating the seventieth anniversary of the Atlantic Refining Company, incorporated on April 29, 1870, the Franklin Institute will give a dinner at the institute April 29, honoring the company for its contributions to progress during the past seven decades. The dinner will be attended by leaders in Philadelphia's business and civic activities, representatives of the automotive and petroleum industries, officials and members of the board of managers of the Franklin Institute, and officials of the Atlantic Refining Company.

The Atlantic Refining Company developed from the Atlantic Petroleum Storage Company, 1866 to 1870, which in turn resulted from a merger of Philadelphia oil interests, including the firm of Peter Wright & Sons. Peter Wright & Sons were merchants and shippers, established in Philadelphia in the early 1800's. In 1861 the Wright firm had made oil history when it shipped from Philadelphia to England, in the brig, the "Elizabeth Watts," the first full cargo of oil ever to leave this country.

Petroleum Import Quotas For Minor Countries Filled

OPD Washington Bureau
April 22, 1940

The Bureau of Customs announced today that imports of crude petroleum and fuel oil from countries other than Venezuela, Netherlands, and Colombia have reached the total of the 1940 quota which may be imported at the reduced excise tax provided in the reciprocal trade agreement with Venezuela.

This agreement specifies that the reduced import tax of ¼ cent per gallon will apply in any one calendar year to total imports equal to 5 percent of the total quantity of crude petroleum processed in refineries in continental United States during the preceding calendar year. During 1939 this processing was 1,237,840,000 barrels. The total quota of imports at the reduced rate for 1940 is therefore 61,892,000 barrels, equal to 2,599,464,000 gallons.

This total quota is divided among importing countries on the basis of their share of imports during the first ten months of 1939 under the following formula:—Venezuela, 77.9 percent; Netherlands and possessions, 20.3 percent; Colombia, 4.0 percent; other countries, 3.8 percent. This formula gives countries other than Venezuela, Netherlands, and Colombia a 1940 quota of 98,779,632 gallons of crude petroleum, topped crude petroleum, and fuel oil. This quota was reached during the week ended April 6, and all future imports from those countries will be subject to the full import tax of ½ cent per gallon.

Conewango Refining to Close

Warren, Pa., Apr. 22, 1940

The Conewango Refining Company, this city, will cease operations on May 1, according to H. R. Lewis, president. Liquidation of inventories will be completed by a skeleton crew. Closing of the plant, specializing in the manufacture of heavy lubricating oils, was necessitated by the slump in Pennsylvania lubricating oil prices, Mr. Lewis said. The company was formed in 1900 as a subsidiary of HyVis Oils, Inc.

Fertilizer Materials

Spring Planting Still Retarded But Fertilizer Shipments Heavier —Mixers and Consumers Spreading Out Orders—Most Materials Firm — Several Prices Advanced

Spring planting was further held back by heavy rains in many sections of the country last week. The ground, after almost an entire week of continuous rainfall, was soggy and unfit for farm operations. Despite this, however, there was no let up in the improvement of the fertilizer materials trade, an improvement that started three weeks ago. A very late season is accepted, but mixers and consumers were apparently attempting to spread out their purchases rather than await the general rush when planting actually gets under way. For this reason most material remained firm and several were advanced.

Buyers of feed products were active during the week and feeding tankage was advanced at both New York and Chicago. At the latter market, the fertilizer grade was also higher. Imported steamed bone meal was extremely scarce and the price was hiked for both the 3 and 50 percent and 1 and 65-70 percent grades. A large tonnage of fish scrap was sold at a higher price on a when-and-if-made basis. Japanese sardine meal was also quoted at a higher figure. Sulphate of ammonia was still in heavy call, especially for export, and suppliers reported that domestic stocks were scarce. Imported dried blood registered the sole reduction.

Nitrogenates

Castor Pomace.—Market unchanged. Price firm.

Dried Blood.—Better movement of domestic to mixers. Demand for imported slack. Price lowered 10c. per unit to $2.90. Domestic prices firm and unchanged.

Fish Scrap.—One sale of 1,000 tons made at $3.50 and 10c. per unit on a when-and-if-made basis. This was an advance of 25c. per unit over last reported sale. Other domestic scrap unchanged. Japanese sardine meal in good demand and scarce. Price advanced $1.50 per ton.

Nitrogen Solution.—Mixers ordering moderate quantities. Price steady.

Nitrogenous Material.—Firm and unchanged for both domestic and imported. Demand normal.

Sulphate of Ammonia.—Very firm. Good domestic demand. Heavy shipments on contract. Supplies scarce. Strong export call at approximate price of $36 to $37 per ton.

Tankage.—Unground feeding material advanced 25c. per unit in New York to price of $3 and 10c. Fertilizer grade advanced 25c. per unit and high-grade feeding material advanced 10c. per unit to $3.25 and 10c. and $3.35 and 10c., respectively, f.o.b. Chicago. Good demand from feed manufacturers.

Potashes

Cottonseed Hull Ash.—Firm and unchanged. Demand slightly better.

Kainit.—Better movement of stocks reported. Prices steady.

Manure Salts.—Supplies more available. Imported product in better demand. Domestic movement steady. Prices firm.

Muriate.—More interest shown in offerings. Contract shipments heavier. Price firm.

Sulphate.—Supplies scarce. Price steady.

Phosphates

Bone Materials.—Imported material scarce and in good demand. Imported 3 and 50 percent steamed bonemeal advanced 50c. per ton to $32.50. Imported 1 and 65-70 percent material advanced $1.50 per ton to $36. Domestic grades moving well. Prices firm.

Phosphate Rock.—Shipments slightly better. Prices steady.

Superphosphate.—More interest in run-of-pile material. Prices steady.

Sulphur and Pyrites

Delivery of crude sulphur at level of preceding week. More interest reported in spot offerings. Inquiries slightly better. Price firm and unchanged. Movement of pyrites slow with prices firm.

Price Changes

Advanced

Bone, steamed, 3 and 50 percent, imp., 50c. per ton.
1 and 65-70 percent, imp., $1.50 per ton.
Fish scrap, menhaden, when-if-made, 25c. per unit.
Japanese sardine meal, $1.50 per ton.
Tankage, unground feeding, N.Y., 25c. per unit.
fertilizer grade, Chicago, 25c. per unit.
high-grade feeding, Chicago, 10c. per unit.

Reduced

Blood, dried, imp., 10c. per unit.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—April 24

A heavy movement of mixed fertilizers to farmers all through the South is in progress. As a consequence, orders for fill-in materials is improved. Quotations are as follows:—

SUPERPHOSPHATE.—52 cents per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $31.50 to $32 per ton, Southeastern mills.

BLOOD.—$2.85 per unit, basis Chicago; foreign, $2.90, port basis.

TANKAGE.—High grade, $3.35 and 10c. Chicago; foreign, $3.25 and 10c., ports.

Baltimore—April 24

Quiet still persists in the crude fertilizer material market, but there are indications that business will shortly develop greater activity. Quotations are about as follows:—

FISH SCRAP.—Some 1,000 tons were ordered on a when-and-if-made basis at $3.50 and 10c. per unit-ton. This is an advance of 25c. Japanese sardine meal is quoted at $53.50 per ton.

TANKAGE.—Steady, with price at $2.75 and 10c. per unit-ton, f.o.b. New York.

DRIED BLOOD.—Better demand. Steady at $2.85 per unit-ton, f.o.b. New York.

SUPERPHOSPHATE.—Unchanged, with little buying and price still at $8.50 per ton for run-of-pile and $9 for 16 percent milled and screened stocks.

Chicago—April 24

The fertilizer materials market is holding its own, with prices on the average not far from levels recently in effect. The organics have been in fair call. Blood inquiries are better. Tankage business has been brisk at higher prices.

BLOOD.—Principal grade, $2.85 per unit.

TANKAGE.—High grade, feeding, $3.35 and 10c.; hoofmeal, $2.35 to $2.50; liquid stick, $1.50 to $1.60.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

N.F.A. meeting, June 3-5, White Sulphur Springs.

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BONE MATERIALS.—Ground, steamed bone, 1½ and 60 percent, $29 to $30; 3 and 50 percent, $30; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $34 to $35; beef cracklings, soft pressed, $35 to $40; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 70c. to 75c.

San Francisco—April 24

New buying of fertilizer materials was on the light side last week, but movement against contract was quite good. Sulphate of ammonia offered spasmodically. Tankage, blood and fish meal are finding a little movement. Markets are generally steady. Ruling prices are:—

SULPHATE OF AMMONIA.—Nominal quantities offered at $38 per ton, delivered inland points.

SUPERPHOSPHATE. — Domestic, 78c. per unit in bulk, f.o.b. San Francisco. Bags, 90c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton and 200-pound bags, $28.30, both ex-vessel or warehouse.

FISH MEAL.—California sardine meal, $51 per ton, San Francisco and $50, Monterey.

TANKAGE.—Unground fertilizer, wet rendered, $2.40 and 10c. per unit-ton, f.ob. northern California. Dry rendered, ground, 50 percent, $38.50 per ton, f.o.b. South San Francisco; unground, dry rendered, 65c. to 67½c. per unit of protein, f.o.b. South San Francisco.

Agricultural Inoculants Licensing Advocated

OPD Washington Bureau
April 24, 1940

A license system for the production and distribution of seed and soil inoculants and similar products is proposed in a bill (H. R. 9444) introduced by Representative Cliff Clevenger of Ohio.

The bill would apply to seed inoculants, soil inoculants, inoculated fertilizers, and analogous biological products. No such products could be shipped in interstate commerce unless the producer had a license from the Secretary of Agriculture and unless the product was labeled to show its proper name and purpose and a date beyond which the product cannot be expected to yield specific results.

Consumer Movement Opinions Aired

—Continued from page 3

common ground with the purpose of developing a common understanding.

The public does not know what it wants or what is good for it and manifests little interest in any intelligent conceptions of quality, said Preston S. Millar, of the American Council of Commercial Laboratories. In his opinion factual labeling, at least of the sort of which he presented some examples, would have little value for the consumer as a buying guide. He favored certification by private enterprise under standards created by private enterprise, and he was strongly opposed to any interjection or solicitation of governmental assistance in the matter.

Mr. Millar felt that the consumer movement would not get appropriate recognition by business as long as it presented a substantial radical faction inclined to denounce business unqualifiedly. This element should be eradicated, he declared. Advertising, on the other hand, should be cleansed of deceit. And the two interests should then get together for their common good.

In his summarization of the matter, S. B. Larrabee, managing editor of *Printer's Ink*, who directed the symposium, said that the problem seemed to be to get rid of the wrong kind of consumer leadership on one side and of the faker in business on the other. H. O. Chute said that governmental standards and enforcement as in respect of foods was necessary and desirable. Jerome Alexander was of the opinion that governmental bureaus could not be relied on to serve the consumer well. It was generally opined that consumer information agencies had a wide influence, did some good, but included a substantial proportion of hocus-pocus in their functioning. The general discussion got off in the direction of women's fashions, capitalism, fair trade laws, dishwashing technic, and a variety of other more or less relevant matters.

Potash exports from Palestine totaled **63,527 tons** in 1939.

Legality of Trade Association Activities

—Continued from page 3

from agreeing, combining, or conspiring among themselves or with any other manufacturer of corrugated or solid fibre board shipping containers:—

(a) To limit production of corrugated or solid fiber shipping containers to predetermined quotas;

(b) To formulate, promote, or take part in any plan for prorationing of business, or the equitable sharing of available business, the purpose or effect of which is to limit the production of such containers to such quotas;

(c) To determine the volume of business of manufacturers of such containers for any period or periods for the purpose of establishing such quotas;

(d) To collect, compile, or compare data respecting production, sales, orders, shipments, or deliveries of such containers for the purpose of determining whether manufacturers of such containers have adhered to, or are adhering to, such quotas;

(e) To distribute production, shipment, or price data in such form as to indicate that a manufacturer of such containers is or is not adhering to any such quota;

(f) To present or discuss, at meetings of manufacturers of such containers, or elsewhere, or by correspondence or otherwise, production, shipment, or price data in such form or manner as to indicate that a manufacturer of such containers has exceeded any such quota, or that it should limit present or future production so as to come within any such quota;

(g) To examine or audit the production, shipment, or price records or accounts of manufacturers of such containers for the purpose of securing adherence to any such quota;

(h) To allocate, or to refrain from soliciting, customers of manufacturers of such containers, or to allocate markets or marketing territories among the several manufacturers of such containers;

(i) To fix or maintain prices for such containers;

(j) To use, or to promote the use of, an estimating manual, or any other handbook or device, for the purpose of fixing or maintaining the prices of such containers;

(k) To use, or to promote the use of, predetermined prices for materials, manufacturing operations, or delivery in:—

(i) Estimating or pricing such containers, or

(ii) Analyzing production, price, sales, order, shipment, or delivery data of manufacturers of such containers for the purpose of fixing or maintaining the prices thereof of two or more manufacturers;

(l) To examine or audit the production, shipment, or price records or accounts of manufacturers of such containers for the purpose of fixing or maintaining the prices of such containers;

(m) To compel a manufacturer of such containers:—

(i) To submit copies of invoices to a trade association or like agency, or

(ii) To name or identify any customer account in connection with the submission of invoices to such trade association or agency;

(n) To authorize a trade association or like agency to disclose customer invoices (or data as to individual transactions with customers), which have been submitted by a manufacturer of such containers to such trade association or agency, to a competitor of such manufacturer.

Nothing contained in this decree limits the right of said defendants, their successors, members, directors, officers, agents, and employees, and all persons acting under, through, or for them, or any of them, to do, or to cooperate in doing, any act, or to engage in any practice, not enjoined by this decree, including but not limited to the following:—

(a) Gathering, auditing, and disseminating information as to the cost of manufacture of corrugated and solid fiber containers, the volume of production and shipment, the actual price (or base price derived from actual price) which the product has brought in past transactions, stocks of materials on hand, approximate cost of transportation, and any other facts pertaining to the condition or operation of the industry, and meeting to discuss such information and statistics without, however, reaching or attempting to reach any agreement or any concerted action with respect to prices or production of such containers;

(b) Promoting the application of uniform cost accounting to the manufacturing, estimating, and sales policies and practices of manufacturers of such containers;

(c) Compiling, publishing, and circulating, in the form of a currently revised loose-leaf industry manual, handbook, or otherwise, recommended formulas, methods, systems, or procedures, and illustrations thereof, for the computation of selling prices of such containers without, however, in any such industry manual or handbook, specifying or recommending the selling price to be charged for any such containers, the price to be charged for freight or any manufacturing operation or material used in the manufacture of such containers, or rate of profit to be included by any manufacturer in the selling price of any such containers;

(d) Compiling, publishing, and circulating, in any form, current data as to the cost of the materials, operations, and other elements that go into the manufacture, sale, and delivery of such containers, provided, however, that such cost data shall not consist exclusively of average (or weighted average) costs of two or more manufacturers and that the cost of any individual manufacturer shall not be so identified by name or otherwise in any trade association publication as to be made known to its competitors;

(e) Exchanging information as to

(i) Credit, and

(ii) Specific current contracts for the sale of such containers for the sole purpose of avoiding interference with such contracts.

Nothing contained in this decree limits the right of a defendant to issue and circulate lists of current prices charged for its corrugated or solid fiber containers provided such lists are made available to the trade and competitors.

Nothing contained in this decree shall apply to—

(a) Any agreement between

(i) A manufacturer of such containers and its subsidiaries,

(ii) A manufacturer and companies associated through common ownership or operating management, or

(iii) The subsidiaries of any such manufacture;

(b) The conduct of the individual business of any defendant;

(c) Manufacture other than the fabrication of shipping containers out of corrugated or solid fiber board;

(d) Operations or activities of the defendants outside the United States, its Territories, and the District of Columbia, or to their operations or activities within the United States, its Territories, and the District of Columbia, which relate exclusively to foreign countries;

(e) Agreements or arrangements permitted by section 1 of the Sherman act as amended by the act of August 17, 1937, commonly called the Miller-Tydings act, or by the patent laws.

Molybdenum Shipments Gained Twenty-six Percent in 1939

Production of molybdenum in the United States in 1939 totaled 32,347 short tons, according to the Bureau of Mines. This compared with 36,157 short tons in 1938. Concentrates shipped from mines in 1939 totaled 32,415,000 pounds of molybdenum as compared with 25,727,000 pounds in 1938. Exports of molybdenum concentrates totaled 21,777 short tons. There were no imports.

Obituaries

W. J. Stoddard

W. J. Stoddard, who developed the drycleaning solvent that bears his name, and president of the Stoddard Dry Cleaning and Dyeing Company, Atlanta, died unexpectedly April 23 when he was stricken with a heart attack in his office. He was sixty-two years old.

As a result of his development of Stoddard solvent, and the resultant decrease in fire hazards, American dry cleaners were for the first time able to obtain fire insurance. The cleaner also reduced to a minimum the possibility of explosion in cleaning firms. He donated all rights to the solvent to the National Association of Dyers and Cleaners, of which he was president for two terms, in order that it might be available without royalty fees.

A. M. Greaves-Walker

Arthur M. Greaves-Walker, assistant to the chief technical engineer of the Libbey-Owens-Ford Glass Company, Toledo, and son of Dr. Arthur Greaves-Walker, professor of ceramic engineering at North Carolina University, was killed instantly in a train wreck at Little Falls, N. Y., April 19. He was thirty-two years of age.

Despite his youth, Mr. Greaves-Walker was already a recognized authority in ceramics. He had been working with the Libbey-Owens-Ford since 1933, following several years' study of ceramics at North Carolina University. When removed from the smashed train, the body of Mr. Greaves-Walker was identified by R. F. Adler, Syracuse, divisional sales manager of the Libbey-Owens-Ford company.

Edward M. White

Edward M. White, who had been affiliated with the former firm of T. and S. C. White & Son, sulphur-refiner, Bayonne, N. J., died in his home in Rutherford, N. J., April 22. He was seventy-eight years of age.

Born in Bayonne, Mr. White graduated from the Stevens Institute in 1886, and entered the sulphur-refining business then operated by his father and uncle. Later Mr. White went to Mexico to develop sulphur interests. He returned to serve in the Spanish-American War. In 1908 he became president of the Rutland Manufacturing Company, creamery equipment manufacturer, Rutland, Vt. Surviving are two sons and two daughters.

Chester W. Alden, traffic manager for the Oxford Paper Company, Portland, Me., died in his home in that city April 20. He was fifty-three years of age.

Albert D. Collins, for forty-two years a traveling salesman for the Sherwin-Williams Company and the Acme Paint Company, died April 20 at the home of his daughter in Buffalo. He was sixty-six years old.

William E. Crapp, treasurer of the Quaker Soap Company, Secaucus, N. J., died in his home in Brooklyn, N. Y., last week. He was sixty-one years of age.

Maurice J. Cullen, formerly with the Standard Oil Company of New Jersey as a traveling auditor, died in a hospital in Brooklyn April 23. He was seventy years of age.

Walter Hodge, former managing editor of *Skillings Mining Review*, Duluth, died in his home in Hibbing, Minn., April 24. He was fifty six years old.

Dr. Adrian J. Pieters, in charge of the division of seed introduction and distribution of the Department of Agriculture, died in a hospital in Washington, April 25.

Charles G. Rumsey, retired papermaker, died in Western Port, Md., April 23, following a long illness. He was seventy years old.

Prof. V. I. Sihvonen, widely known for his research work on the oxidation of graphite and the electrochemical oxidation of tartaric acid, was killed in his laboratory during one of the Russian air raids on Helsinki.

Louis A. Warne, for twenty-two years treasurer of the Publicker Commercial Alcohol Company, Philadelphia, died of a heart attack April 23. He was sixty-seven years of age. Surviving are his wife, two daughters and three sons.

Jere B. Warren, of the Warren Paint & Color Company, Nashville, Tenn., died in a hospital in that city recently. He was fifty years of age. Surviving are his son, a sister and a brother, J. M. Warren, jr., who is president of the company.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, TARTARIC—200 cks, Leghorn Trading Corp, Genoa
7 cks, New York & Cuba Mail S S Co, Genoa

AMMONIA, SULPHOCYANIDE — 87 crts, Osaka

AMMONIAC SAL—60 cs, Industrial Sales Corp, Antwerp
40 cks, Industrial Sales Corp, Antwerp

ANISE—3 bgs, Marrash Import Co, Beyrouth

ANTIMONY, ORE—572 bgs, Cookson Lead & Antimony Co, Tampico

ARNICA FLOWERS—6 bls, J L Hopkins & Co, Trieste

ARSENIC—481 bbls, American Smelting & Refg Co, Tampico
RED—150 dms, American Cyanamid & Chem Co, Antwerp

ASBESTOS—50 bgs, Port Samson
1,000 bgs, Union Asbestos & Rubber Co, Lourenco Marques
1,000 bgs, Johns Manville Corp, Lourenco Marques
200 bgs, Union Asbestos & Rubber Co, Lourenco Marques

BARK, MEDICINAL—5 bls, Peek & Velsor, Trieste
242 bgs, W R Grace & Co, San Antonio

BELLADONNA ROOT—4 bls, S B Penick & Co, Leghorn

BONE ASH—751 bgs, Buenos Aires

BRISTLES—4 cs, B Schlankenkepf, Arica
50 cs, S Hirshenhorn & Son, Tsingtao
55 cs, Arnhold & Co, Harbin
47 cs, Pittsburgh Plate Glass Co, Tientsin

CANARY SEED—1,172 bgs, Wagner Bros Feed Corp, Buenos Aires
435 bgs, Duryea Seed Co, Buenos Aires

CARDAMOM—16 cs, W E Martin, Porto Barrios

CENTAURY HERBS—3 bls, S B Penick & Co, Leghorn

CHALK, BLOCK—1,500 tons, Taintor Trading Corp, Dunkirk

CHEMICALS—1 cs, Rohner, Gehrig & Co, Trieste

CHROME ORE—6,025 tons, 5 cwt, 1 qr, 2 lbs, Frank Samuels & Co, Lourenco Marques

CINCHONA BARK—85 bls, W R Grace & Co, Barranquilla

COBALT METAL—10 cs, Central Trading Corp, Antwerp

COCA LEAVES — 110 bls, Maywood Chem Works, Salaverry

COCOA BEANS—209 bgs, Wessel, Kulenkampf & Co, Trujillo
630 bgs, Curacao Trading Co, Trujillo
400 bgs, Curacao Trading Co, San Pedro Macoris
686 bgs, Curacao Trading Co, Sanchez
102 bgs, Wessel, Kulenkampf & Co, Sanchez
125 bgs, New York & Porto Rico S S Co, Puerto Plata
300 bgs, Gillespie & Co, Puerto Plata
250 bgs, Wessel, Kulenkampf & Co, Puerto Plata
704 bgs, W R Grace & Co, Puerto Cabello
214 bgs, W R Grace & Co, La Guaira
750 bgs, W R Grace & Co, Guayaquil
330 bgs, Para
550 bgs, La Guaira
446 bgs, A Canale, Cristobal
250 bgs, Middleton & Co, Cristobal
250 bgs, Cristobal
51 bgs, Struller & Wood, Jeremie
42 bgs, Jeremie
2 bgs, Fruit Despatch Co, Puerto Limon
96 bgs, Wessel, Duval & Co, Havana
250 bgs, Middleton & Co, Trinidad
250 bgs, Wessel, Duval & Co, Trinidad
250 bgs, Machado & Co, Trinidad
250 bgs, Middleton & Co, Trinidad
300 bgs, Wessel, Kulenkampf & Co, Trinidad

COCONUTS—300 bgs, I L Toledano Corp, Cristobal
244 bgs, General Food Corp, Kingston
200 bgs, Universal Import & Export Co, Kingston

COLCHICUM SEED—8 bgs, J L Hopkins & Co, Trieste

COLORS, DRY—17 cs, B F Drakenfeld & Co, Europe

COPAIBA BALSAM—2 dms, Fritzsche Bros, Cristobal
2 dms, W R Grace & Co, Cristobal
20 cs, Geo Uhe & Co, Cristobal

CORIANDER SEED—17 bgs, Leslie Ronal, Trieste

CORK BOARD—2,890 cs, Armstrong Cork Co, Seville
WASTE—4,223 bls, National City Bank, Cieta
1,200 bls, National City Bank, Lexoes
WOOD—531 bls, National City Bank, Cieta
1,546 bls, Portimao

COTTON LINTERS—165 bls, Irving Trust Co, Santos

CREAM TARTAR—12 cks, New York & Cuba Mail S S Co, Genoa

CUMIN SEED—2 bgs, Maiko Bros, Beyrouth

CUTTLEFISH BONES — 200 cs, Manufacturers Trust Co, Portimao

DERRIS ROOT — 70 bls, Marine Midland Trust Co, Singapore

DRAGON'S BLOOD—10 cs, Bank of Manhattan, Penang

FILTERING EARTH—600 bgs, Wedeman & Godknecht, Constanza

FISH LIVERS—140 tins, Atlantic Coast Fisheries Export Corp, Yokohama
50 tins, Atlantic Coast Fisheries Export Corp, Yokohama
SOUNDS—76 bls, Fred Henjes, Jr, Maracaibo

FLAXSEED—3,556,000 kilos, 142,240 bus, Buenos Aires

GAMBIER—329 bgs, Charles H Demerest, Inc, Singapore

GELATIN—48 bls, International Selling Corp, Antwerp
140 bls, Industrial Sales Corp, Antwerp
POWDERED—124 bgs, International Selling Corp, Antwerp
SHEET—20 cs, International Selling Corp, Antwerp

GINGER ROOT—283 bgs, Barclay Bank, Kingston
26 bgs, Van Norden & Archibald, Kingston

GLASS, PHOTO—500 cs, Chase Natl Bank, Antwerp
PLATE—2 cs, Ford Motor Co, Antwerp
SECURIT—13 cs, General Motors Co, Antwerp
WINDOW—500 cs, Chase Natl Bank, Dunkirk
2,000 cs, Seymour G Cole Co, Antwerp
14 cs, Brown Bros Harrimann Co, Antwerp
1,925 cs, Seymour G Cole Co, Antwerp
10 cs, Brown Bros Harrimann Co Antwerp
500 cs, Chase Natl Bank, Antwerp
1,650 cs, Seymour G Cole Co, Antwerp
500 cs, Chase Natl Bank, Antwerp
2,160 cs, Seymour G Cole Co, Antwerp
200 cs, Alexis Nilon & Co, Antwerp
3,358 cs, Seymour G Cole Co, Antwerp
31 cs, Schrenk & Co, Antwerp
1,000 cs, J H Faunce, Antwerp
36 cs, Langlotz & Co, Antwerp

GLUE—100 bgs, W R Grace & Co, San Antonio

GRAPHITE—536 bgs, C E Pettinos, Colombo
552 bgs, J F Starkey & Co, Colombo

GUM, ARABIC—250 bgs, Innis, Speiden & Co, Alexandria
250 bgs, Orbis Product Corp, Alexandria
150 bgs, Frank Vliet Co, Port Said
CHICLE—105 bls, Chicle Development Co, Kingston
COPAL—70 bskts, Marine Midland Trust Co, Macassar
191 bgs, Chase Natl Bank, Macassar
187 bskts, Chase Natl Bank, Macassar
300 bgs, Gillespie Rogers Pyatt Co, Antwerp
200 bgs, S Winterbourne & Co, Antwerp
1,050 bgs, Gillespie Rogers Pyatt Co, Antwerp
60 bgs, P S Busschaerl, Antwerp
40 bgs, Stroock & Wittenberg, Antwerp
910 bgs, O G Innes Corp, Antwerp
199 bskts, Sino Java Hvg, Macassar
137 bskts, American Cyanamid & Chem Co, Macassar
340 bskts, Sino Java Hvg, Macassar

DAMMAR—210 bgs, O G Innes Corp, Singapore
350 cs, Thurston & Braidich, Batavia
70 bgs, Chase Natl Bank, Macassar
140 bgs, American Cyanamid & Chem Co, Singapore
350 bgs, O G Innes Corp, Singapore
98 bgs, O G Innes Corp, Padang
280 bgs, Sino Java Hvg, Macassar
50 cs, Gillespie Rogers Pyatt Co, Singapore
210 bgs, O G Innes Corp, Singapore
50 cs, Gillespie Rogers Pyatt Co, Singapore
210 bgs, G W S Patterson & Co, Singapore

KARAYA—266 bgs, Frank Vliet Co, Bombay

LOCUST—50 bgs, Innis, Speiden & Co, Genoa
40 bgs, Frank Vliet Co, Genoa
70 bgs, Paul A Dunkel & Co, Genoa

PENDARE—94 bls, Chicle Development Co, Ciudad Bolivar

TRAGACANTH—113 bgs, A D Isbetcherian, Beyrouth
32 cs, A D Isbetcherian, Beyrouth
18 cs, Nawi Noonoo, Beyrouth

HERBS, MED—6 bls, Peek & Velsor, Antwerp

HOPS—12 cs, L Oppenheimer, Antwerp

ILMENITE SAND—2,000 tons, Koilthottam
6,800 tons, Koilthottam

IPECAC ROOT—10 bgs, Eggers & Heinlein, Cristobal
40 bgs, Wessel, Duval & Co, Cristobal

IRON ORE—25 bgs, J G Baragwanath, Havana

JALAP ROOT—1 bg, Tampico

LEMON JUICE—25 cs, J B Carulli Co, Palermo

LICORICE ROOT—16 bgs, Peek & Velsor, Beyrouth

MACE—28 cs, Chase Natl Bank, Macassar
48 cs, Jacobus F Frank, Padang
48 cs, H P Winter & Co, Padang
16 cs, Van Loan & Co, Singapore
SIFTINGS—14 cs, Chase Natl Bank, Macassar

MANGROVE BARK—337 bgs, Andran Trading Co, Guayaquil
3,810 bgs, Kilwa Kiswani
700 bgs, Zanzibar

MATCHES, SAFETY—650 cs, Grace Line, Antwerp

MATE—17 half bbls, Paranagua
25 half bbls, W R Grace & Co, Santos

MEAKIN MEAL—1,920 bgs, Japan

MEDICINAL PREPS—4 cs, Milton Snedeker & Co, Havana
15 cs, Ratin Lab, Copenhagen
5 cs, McKesson & Robbins, Cartagena

MICA—8 cs, A O Schoonmaker Insulator Co, Calcutta

METAL RESIDUE — 67 bbls, Associated Metal & Mineral Co, Antwerp

MILLET SEED—100 bgs, Levy & Levis Co, Trieste

MISTLETOE HERBS—12 bls, S B Penick & Co, Fiume

MOLASSES—560,000 kilos, W R Grace & Co, Salaverry
172,000 gls, American Molasses Co, Havana

MUSTARD SEED—395 bgs, National City Bank, Constanza
168 bgs, Frank Tea & Spice Co, Tientsin

NAPHTHALENE—800 pkgs, Dillon's Chem Co, Antwerp

NUTMEGS—243 bgs, Dodge & Olcott Co, Padang

OAKMOSS—3 bls, S B Penick & Co, Fiume

OIL, CITRONELLA — 256 cs, J F Frank, Batavia
20 dms, Machmeyer, Jr, Inc, Batavia
3 dms, Garfinkel Chem Co, Tampico

COCONUT—734 tons, Philippine Refining Corp, Manila
1,543 tons, Philippine Refining Corp, Cebu
6,700 tons, Spencer Kellogg Co, Manila

COTTONSEED—627,887 kilos, Mitsui & Co, Santos

ESSENTIAL — 1 ck, Felton Chem Co, Seville
1 ck, Fritzsche Bros, Seville

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

OIL, JUNIPER—1 bbl, Fritzsche Bros, Trieste

LEMON—100 cs, Geo Lueders & Co, Messina
147 cs, Ungerer & Co, Messina
15 cs, Orbis Product Corp, Messina

OLIVE — 150 dms, Leghorn Trading Co, Piraeus
40 dms, S A Laraja, Piraeus
65 dms, Schroeder Bros, Piraeus
25 dms, John Alban Co, Piraeus
50 dms, Antonio Corrao, Piraeus
25 dms, Uddo Taormina, Piraeus
25 dms, B Dorman, Piraeus
160 dms, Schroeder Bros, Piraeus
100 dms, Modern Packing Co, Piraeus
75 dms, W A Taylor & Co, Piraeus
50 dms, Jos Uddo & Co, Piraeus
100 dms, P Pastene & Co, Piraeus
100 dms, Bank of Athens, Piraeus
75 dms, W A Taylor & Co, Piraeus
50 dms, Uddo Taormina, Piraeus
15 dms, Comm'l Bank of Greece & Athens, Piraeus
100 dms, Smith-Weihman Co, Piraeus
200 dms, Smith-Weihman Co, Piraeus
75 dms, W A Taylor & Co, Piraeus
100 dms, Smith-Weihman Co, Piraeus
107 cs, Marotta & Cella, Genoa
145 cs, Frank Mosca, Inc, Genoa
65 cs, David Kelman, Genoa
170 cs, Frank Alessio ,Genoa
50 pkgs, G Pierei & Co, Genoa
35 cs, Mediterranean Import Co, Genoa
200 cs, Asaro Bros, Genoa
25 cs, 5 dms, Filippo Grassedorio, Genoa
150 cs, Pastene & Co, Genoa
5 dms, Bank of Greece, Patras
200 cs, United Fruit Co, Lisbon
375 cs, Omaha Packing Co, Leghorn
200 cs, Ravarino & Freschi, Leghorn
100 cs, Banco di Napoli Trust Co, Leghorn
50 cs, Fontana Hollywood Co, Leghorn
200 cs, I F Roncollo, Genoa
100 cs, Continental Import Co, Lisbon
200 cs, United Fruit Co, Seville
52 cks, Canadian National Railway, Seville
500 cs, S Kirsch, Leghorn
100 cs, B Dorman, Leghorn
100 cs, American National Bank, Leghorn
50 cs, G B Passalacqua Co, Palermo
76 cs, Cino Alauno, Palermo

PALM—380 tons, Vasoline Product Co, Manila
681 tons, Banque Belge Pour L'Etranger, Belawan Deli
1,155 tons, Banque Belge Pour L'Etranger, Belawan Deli

PALMAROSA—500 lbs, Volkart Bros, Bombay

PATCHOULI—1 dm, Dodge & Olcott Co, Batavia

PEANUT—640 tons, Tsingtao
398 tons, Tsingtao

PINE—1 ck, Fritzsche Bros, Trieste

RAPESEED—53 dms, Bunge North American Grain Co, Buenos Aires

ROSE—1 cs, Gondrand Shipping Co, Genoa

SPERM—500 tons, South Georgia Islands

SYNTHETIC—34 cs, 2 cks, 1 tin, Polaks Feutal Works, Rotterdam

WHALE—18,358 tons, South Georgia Islands

ORANGE PEEL—20 bgs, Jacmel

PAPAIN—20 cs, S B Penick & Co, Colombo
7 pkgs, Norwich Pharm Co, Colombo

PAPAYO JUICE—7 cartons, J A James, Trujillo

PAPRIKA—600 bgs, Thomson & Taylor, Trieste
25 bgs, Euclid Coffee Co, Trieste
25 bgs, J Raphael & Son, Trieste
20 bgs, Central Hanover Bank Trust Co, Trieste
69 cs, Central Hanover Bank Trust Co, Trieste
50 bgs, Levy & Levis Co, Trieste
50 bgs, Hygrade Food Prod Corp, Trieste
1 cs, R H Macy & Co, Trieste
69 cs, United Fruit Co, Seville

PARAFFIN—3,388 bgs, Standard Oil Co of N J, Batavia
800 bgs, Asiatic Petroleum Corp, Balik Papain

PATCHOULI LEAVES—40 bls, Corn Exchange Bank Trust Co, Singapore
58 bls, Volkart Bros, Penang
51 bls, McKesson & Robbins, Singapore

PEANUT CAKE—1,000 bgs, Hollinghurst & Co, Trujillo

PEATMOSS—2,626 bls, Premier Peatmoss Corp, Copenhagen
620 bls, Premier Peatmoss Corp, Malmo

PEONY ROOT—5 bls, S B Penick & Co, Fiume

PETROLATUM—100 dms, Theo Goldschmidt Corp, Rotterdam

PIMENTO—6 bgs, W E Martin, Porto Barrios
25 bgs, I Harrison & Whitney, Kingston

POTASH, METABISULPHATE — 100 cks, Jungmann & Co, Genoa
MURIATE—100,800 kilos, French Potash Co, Antwerp
NITRATE—203 bgs, Dillon's Chem Co, Antwerp
6,060 bgs, Advance Solvents & Chem Co, Rotterdam
1,500 bgs, Advance Solvents & Chem Co, Rotterdam

PRECIPITATES—7 dms, Colombo

PUMICE—100 bgs, J Henry Schroeder Banking Corp, Canneto
400 bgs, Whittaker, Clark & Daniels, Canneto
839 bgs, C B Chrystal & Co, Canneto
3,171 bgs, 6 cks, K F Griffiths & Co, Canneto
765 bgs, C B Chrystal & Co, Canneto
1,267 bgs, H S Head, Canneto
LUMP—100 bgs, Whittaker, Clark & Daniels, Canneto
10 cks, Whittaker, Clark & Daniels, Canneto
200 bgs, C B Chrystal & Co, Canneto
2 cks, 1 cs, C B Chrystal & Co, Canneto

PYRITES—1 dm, Denver Equipment Co, Lisbon

QUICKSILBER—40 flasks, Tampico
50 flasks, Chase National Bank, Tampico

QUINCE SEED—32 bls, E Meer & Co, Beyrouth

RADIUM—1 cs, Radium Chem Co, Antwerp
2 cs, Radium Chem Co, Antwerp

ROCHELLE SALT—12 cks, New York & Cuba Mail S S Co, Genoa

ROOT, MED—4 bls, Peek & Velsor, Trieste
18 bgs, S B Penick & Co, Trieste
2 bls, S B Penick & Co, Trieste

ROSIN—600 cs, Ore & Chem Corp, Tampico
100 dms, Newport Industries, Tampico

SAGE LEAVES—29 bls, W E Martin, Trieste

SARDINE MEAL—50 bgs, Japan

SARSAPARILLA ROOT—19 bls, Tampico
2 bls, South American Prod Co, Cortez

SCHEELITE—440 bgs, Philipp Bros, Arica

SEED, MED—12 bgs, Peek & Velsor, Genoa

SENNA LEAVES—40 bls, Colombo

SERUM—3 cs, Sharp & Dohme, Callao

SHELLAC—500 bgs, E E Androvetter, Calcutta
100 bgs, Chase National Bank, Calcutta
100 bgs, Mantrose Corp, Calcutta
100 bgs, National City Bank, Calcutta
50 bgs, Hongkong & Shanghai Banking Corp, Calcutta
200 bgs, Philadelphia National Bank, Calcutta
300 bgs, Ralli Bros, Calcutta
100 bgs, Schwab Bros, Calcutta
75 chests, E E Androvette, Calcutta
600 bgs, E E Androvette, Calcutta
100 bgs, E E Androvette, Calcutta
BUTTON LAC—50 bgs, E E Androvette, Calcutta
GARNET LAC—100 bgs, E E Androvetter, Calcutta
25 bgs, Ralli Bros, Calcutta
SEEDLAC—800 bgs, Guaranty Trust Co, Calcutta
200 bgs, Hongkong & Shanghai Banking Corp, Calcutta
250 bgs, Mantrose Corp, Calcutta

SIENNA—200 bgs, Reichard-Coulston, Leghorn
54 cks, J Lee Smith & Co, Leghorn
100 bgs, Reichard-Coulston, Leghorn

SOAP—100 cs, Conti Product Corp, Leghorn

SODA SILICOFLUORIDE—200 bgs, Hummel Chem Co, Copenhagen
100 bgs, American Cyanamid & Chem Co, Copenhagen
80 bbls, Innis, Speiden & Co, Copenhagen

SULPHATE—15 bbls, Pfaltz & Bauer, Antwerp

URANATE YELLOW — 100 dms, Central Trading Corp, Antwerp

SPONGES—33 bls, Schroeder & Tremayne, Nassau
3 bls, J E Bernard & Co, Nassau
5 bls, Yale University, Nassau
15 bls, Gulf-West Indies Co, Havana

STARCH, RICE POWD—60 bbls, Braun Import Co, Antwerp
100 bbls, Arabol Mfg Co, Antwerp
25 bbls, Braun Import Co, Antwerp

STEATITE—6 bbls, Caldwell & Co, Leghorn

STORAX—25 cs, W E Martin, Trieste
25 cs, Ungerer & Co, Trieste

SUMMER SAVORY HERBS—6 bls, S B Penick & Co, Fiume

TALC—300 bgs, C B Chrystal & Co, Genoa

TANKAGE—1,016 bgs, National City Bank, Montevideo

TANTALITE—74 bgs, Port Hedland

TAPIOCA FLOUR—193 bgs, Stein, Hall & Co, Batavia
862 bgs, Stein, Hall & Co, Cheribon
1 cs, Rutger, Bleecker & Co, Batavia
1 pkg, H S Cramer & Co, Batavia
148 bgs, Stein, Hall & Co, Sourabaya
500 bgs, National Adhesive Corp, Batavia
500 bgs, Chase Natl Bank, Cheribon
1,600 bgs, Corn Product Co, Puerto Plata
500 bgs, Rutger, Bleecker & Co, Batavia
258 bgs, Overton & Co, Cheribon
552 bgs, American Cyanamid & Chem Co, Pasoeroean
1,103 bgs, Morningstar Nicol, Pasoeroean
250 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, Stein, Hall & Co, Batavia
2,080 bgs, Balfour, Guthrie & Co, Pamanoekan
250 bgs, American Cyanamid & Chem Co, Cheribon
2,481 bgs, Seligman & Co, Pasoeroean
552 bgs, Chase Nat'l Bank, Pasoeroean
1,930 bgs, American Cyanamid & Chem Co, Pasoeroean
3,859 bgs, Seligman & Co, Pasoeroean

TARTAR—191 bgs, Standard Brands, Naples
358 bgs, Charles Pfizer & Co, Lisbon
150 bgs, Charles Pfizer & Co, Genoa
356 bgs, Standard Brands, Naples

TIN BARILLA—856 bgs, Philipp Bros, Arica
700 bgs, W R Grace & Co, Mollendo

TONKA BEANS—19 cks, Guaranty Trust Co, Ciudad Bolivar

TUBA ROOT—46 bls, Dodwell & Co, Singapore
30 bls, Chipman Chem Co, Singapore
90 bls, Marine Midland Trust Co, Singapore

URANIUM OXIDE—200 dms, Central Trading Corp, Antwerp

WAX, BEES—12 bgs, Tampico
11 bgs, Schutte & Focke, Trujillo
26 bgs, W R Grace & Co, San Antonio
16 bgs, W R Grace & Co, Valparaiso
53 bgs, Paranagua
36 bgs, Santos
49 bgs, W M Allison & Co, Lisbon
4 bgs, Jeremie
12 bbls, 8 bgs, Gillespie & Co, Port Prince

CANDELILLA—120 bgs, New York & Cuba Mail S S Co, Tampico
381 bgs, M Argueso & Co, Tampico

CARNAUBA—112 bgs, W R Grace & Co, Rio Janeiro
111 bgs, Wessel Duval & Co, Rio Janeiro
100 bgs, American Cyanamid & Chem Co, Rio Janeiro
56 bgs, W R Grace & Co, Rio Janeiro

OZOKERITE, REFD—84 bgs, Strohmeyer & Arpe Co, Trieste

REFINED—677 bgs, Standard Oil Co of N J, Batavia
6,699 bgs, Standard Oil Co of N J, Palembang
3,049 bgs, Standard Oil Co of N J, Palembang
5,083 bgs, Standard Oil Co of N J, Palembang

WHITING—2,000 bgs, Nichols H Weitzner, Antwerp

WINE LEES—197 bgs, Standard Brands, Lisbon

WOLFRAM ORE—507 bgs, W R Grace & Co, Mollendo
110 bgs, Philipp Bros, Lisbon
78 bgs, Watson, Geach & Co, Leixoes
100 bgs, Leixoes
453 bgs, East Asiatic Co, Bangkok

New York Transit Imports

PAPAIN — 25 cs, American Ferment Co, Singapore, Buffalo
22 cs, American Ferment Co, Tanya, Buffalo

Baltimore Imports

BONES—2,831 bgs, Montevideo
909 bgs, Buenos Aires
BONEMEAL—500 bgs, Buenos Aires
CHROME ORE—1,051 tons, Lourenco Marques
FERTILIZER—548 bgs, Buenos Aires
1,102 bgs, Buenos Aires
FISHMEAL—1,012 bgs, Buenos Aires
IRON ORE—21,500 tons, Bethlehem Steel Co, Cruz Grande
21,800 tons, Bethlehem Steel Co, Cruz Grande
7,269 tons, L J Buck, Inc, Narvik
6,548 tons, L J Buck, Inc, Narvik
22,500 tons, Bethlehem Steel Co, Cruz Grande
7,208 tons, L J Buck, Inc, Narvik
LIVERMEAL—1,500 bgs, Montevideo
MANGANESE ORE—5,200 tons, Bethlehem Steel Co, Poti
3,800 tons, Santiago
2,750 tons, Coquimbo
1,602 tons, Bethlehem Steel Co, Durban
7,050 tons, Bethlehem Steel Co, Poti
6,000 tons, Rio de Janeiro
OIL, OLIVE—600 dms, Malaga
PETROLEUM, CRUDE—102,777 bbls, Standard Oil Co of NJ, Las Piedras
QUEBRACHO EXTRACT—4,562 bgs, Buenos Aires
14,466 bgs, Buenos Aires
4,457 bgs, Buenos Aires
SODA NITRATE—5,900 bgs, Valparaiso
57,725 bgs, Tocopilla
WATTLE BARK—1,097 bgs, Mombassa
ZINC, CONC—2,951 tons, Tampico

Boston Imports

ASBESTOS—186 bgs, Johns-Manville Corp, Capetown
514 bgs, Johns-Manville Corp, Lourenco Marques
CASSIA VERA—132 pkgs, Jacobus F Frank, Padang
COCOA BEANS—250 bgs, Port Spain
25 bgs, Agostino Canale, Guayaquil
QUEBRACHO EXTRACT—1,493 bgs, International Product Corp, Buenos Aires
100 bgs, Tannin Corp, Buenos Aires
TANKAGE—1,815 bgs, Armour & Co, Buenos Aires
TAPIOCA FLOUR—500 bgs, Chase National Bank, Cheribon
250 bgs, D Welds Sons, Pasoeroean
500 bgs, W R Grace & Co, Cheribon
275 bgs, American Cyanamid & Chem Co, Sourabaya
276 bgs, First National Bank, Sourabaya
552 bgs, Industrial Trust Co, Sourabaya
552 bgs, Industrial Trust Co, Pasoeroean
276 bgs, First National Bank, Pasoeroean
250 bgs, Chase National Bank, Cheribon
WAX, BEES—30 bgs, Havana

Charleston Imports

BONE MEAL—480 bgs, H J Baker & Co, Buenos Aires
FERTILIZER—2,223 bgs, Ashcraft Wilkinson Co, Buenos Aires
TAPIOCA FLOUR—396 bgs, Fred Richard, Sourabaya

Houston Imports

TAPIOCA FLOUR—250 bgs, Collin & Gissel, Sourabaya

Jacksonville Imports

TANKAGE—1,933 bgs, Buenos Aires
1,815 bgs, Armour & Co, Buenos Aires

Los Angeles Imports

CHARCOAL CRAYONS—90 lbs, Paris
COCONUT, DESIC—3,250 lbs, Manila
650 lbs, Manila
9,600 lbs, Zamboanga
5,850 lbs, Manila
COCONUTS—18,900 lbs, Colon
COPRA—6,664,000 lbs, Philippine Islands
3,528,000 lbs, Legaspi
MEAL—8,000 bgs, 800,000 lbs, Manila
8,000 bgs, 800,000 lbs, Cuba
28,160 bgs, 2,816,000 lbs, Manila
7,900 bgs, 790,000 lbs, Cebu
GELATIN, ED—4,960 lbs, Rotterdam
GLASS, WINDOW—24 cs, 6,580 lbs, Birmingham
INK—40 lbs, Hongkong
OIL, CHINAWOOD—50 dms, 2,100 lbs, Hongkong
PEANUTS, SHELLED—30,000 lbs, Philippine Islands
PEPPER, WHITE—2,240 lbs, Straits Settlement
PERFUME—10 lbs, Paris
QUEBRACHO EXTRACT—110 lbs, Argentina
ROSIN—730 bgs, 72,120 lbs, Mexico City
SCHEELITE ORE—40,210 lbs, Ensenada
SEED, MED—130 lbs, Paris
TALC—260 bgs, 44,100 lbs, Bordeaux
TOILET PREPS—10 lbs, Kobe

Mobile Imports

TAPIOCA FLOUR—510 bgs, Strachan Shipping Co, Sourabaya
493 bgs, Strachan Shipping Co, Cheribon
500 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, American Cyanamid & Chem Co, Cheribon

New Orleans Imports

GUM, CHICLE—23 tons, Puerto Barrios

Norfolk Imports

AMMONIATED PHOSPHATE—1,814 bgs, Ashcraft Wilkinson Co, Antwerp
BONE MEAL—500 bgs, Buenos Aires
POTASH MURIATE—3,003 tons, N V Rembours Industrebank, Antwerp
8,300 bgs, International Product Co, Buenos Aires
SULPHATE—6,000 bgs, French Potash Co, Antwerp
QUEBRACHO EXTRACT—1,062 bgs, Tannin Corp, Buenos Aires
TANKAGE—1,815 bgs, Armour & Co, Buenos Aires
TAPIOCA FLOUR—250 bgs, Chase Natl Bank, Cheribon
299 bgs, Balfour, Guthrie & Co, Pamanoekan

Philadelphia Imports

BERYLLIUM ORE—930 bgs, Brush Beryllium Co, Buenos Aires
CHROME ORE—3,000 tons, E J Lavino & Co, Beira
3,000 tons, Mersin
CORK, VIRGIN—16,684 kilos, Chase National Bank, Sines, discharged at Wilmington, Del
WASTE—755 bls Lisbon
568,062 kilos, Chase National Bank, Lisbon
342,953 kilos, Chase National Bank, Sines
WOOD—12,984 kilos, Armstrong Cork Co, Seville
133 bls, Armstrong Cork Co, Genoa
CANARY SEED—83 bgs, Buenos Aires
COCOA BEANS—417 bgs, Wicander & Co, Lisbon
FLAXSEED—2,905 tons, Buenos Aires
6,500 tons, Concepcion
MANGANESE ORE—7,000 tons, E J Lavino & Co, Takoradi
MOLASSES—1,353,115 gls, Publicker Alcohol Co, Sagua la Grande
1,420,273 gls, E I duPont de Nemours & Co, Inc, Santiago de Cuba
OIL, OLIVE—59 dms, H J Heinz Co, Seville
PANCREAS, BEEF—120 cs, Buenos Aires
PETROLEUM—90,000 bbls, Atlantic Refining Co, Las Piedras
QUEBRACHO EXTRACT—12,737 bgs, Tannin Corp, Buenos Aires
400 bgs, International Products Corp, Buenos Aires
RED, OXIDE—433 bbls, F B Vandegrift & Co, Malaga
ETHYL KETONE—201 dms, 73,570 lbs, Sydney; 8 dms, 2,930 lbs, Adelaide; 2 dms, 730 lbs, Brisbane; 48 dms, 17,660 lbs, Melbourne; 500 dms, 174,000 lbs, London
FILM SCRAP—6,110 lbs, Shanghai; 29,820 lbs, London
GASOLINE—250 cs, Manila; 500 dms, Manila; 17,890 bbls, Shanghai-Taku Bar; 19,043 bbls, Haiphong; 19,043 bbls, Rangoon; 1,000 cs, 30 dms, Santa Rosalia; 200 dms, Puntarenas; 28,910 bbls, Balboa
KELP—4,050 lbs, Liverpool
KEROSENE—2,000 cs, 250 dms, Manila; 500 cs, Tientsin; 40,641 bbls, Shanghai-Taku Bar; 2,118 bbls, Balboa
DISTILLATE—93,581 bbls, Curacao
LACQUER—1,200 lbs, Tientsin
PRIMER—300 lbs, Tientsin
THINNER — 1,700 lbs, Tientsin; 880 lbs, Mayaguez; 4,400 lbs, San Juan
LARD, SUBSTITUTE—2,500 lbs, Shanghai
LINSEED MEAL—49,950 lbs, Ponce
LITHARGE—250 lbs, Rio de Janeiro; 100 lbs, Corinto
MILK POWDER—770 lbs, Fort Mills
OIL, COTTONSEED—7,700 lbs, Manila
DIESEL—35,386 bbls, Osaka; 21,150 bbls, Onagawa; 25,772 bbls, Vancouver; 25 dms, Puntarenas; 89,478 bbls, Cristobal; 16,116 bbls, Balboa
FUEL — 48,076 bbls, Osaka; 58,043 bbls, Tsurumi; 23,457 bbls, Santa Rosalia; 82,661 bbls, Yokosuga; 11,916 bbls, Balboa
INEDIBLE—5 dms, 2,210 lbs, Melbourne
LUBRICATING — 70 dms, Shanghai; 680 pkgs, Manila; 300 dms, Kobe; 4 dms, Puntarenas
OLIVE—9,630 lbs, San Juan
VEGETABLE, FLAKE — 625 bgs, 100,000 lbs, Manila
PAINT—90 lbs, Amapala
PETROLEUM, CRUDE—47,325 bbls, Ioco
REAGENTS—4 dms, 400 lbs, Puntarenas
SOAP, LAUNDRY — 12,500 lbs, Mayaguez; 67,500 lbs, San Juan
SODA, ASH—1,102,500 lbs, Buenos Aires; 100 lbs, Corinto
BICHROMATE—30,280 lbs, Liverpool
SILICATE—6,300 lbs, Manila
SOLVENTS—10 dms, 3,280 lbs, Vancouver; 70 dms, Victoria
STEARIN, FLAKE—2,000 bgs, 200,000 lbs, Manila
TALC—20 bgs, 2,260 lbs, Puntarenas
TOILET PREPS—2,740 lbs, Shanghai; 1,600 lbs, Hongkong; 870 lbs, Manila; 420 lbs, Batavia; 310 lbs, Sourabaya; 330 lbs, San Juan; 530 lbs, Guatemala City
WAX, STEARIN—2,009 pkgs, 200,820 lbs, Manila

New Orleans Exports

ASPHALT—23 tons, Stann Creek
GASOLINE — 75 tons, Kingston; 23 tons, Belize; 10 tons, Puerto Barrios; 17 tons, Bluefields
GREASE, LUBRIC—21 tons, Vera Cruz
LARD—75 tons, Havana; 20 tons, Cristobal; 10 tons, Santa Marta; 117 tons, Barranquilla; 48 tons, Cartagena; 121 tons, Santiago; 68 tons, West Coast South America
LITHOPONE—23 tons, Havana
OIL, DIESEL—92 tons, Puerto Cabezas
FUEL—204 tons, Ceiba
LUBRICATING—56 tons, West Coast South America
OILMEAL—50 tons, Havana
PARAFFIN—127 tons, Vera Cruz
ROSIN — 26 tons, Barranquilla; 12 tons, Puerto Limon; 16 tons, Cristobal; 12 tons, West Coast South America
SALT—20 tons, Belize; 12 tons, Bluefields; 56 tons, Havana
SODA, CAUSTIC—35 tons, Vera Cruz
CYANIDE—12 tons, Puerto Cabezas
ZINC OXIDE—22 tons, Havana

Philadelphia Exports

AMMONIA, ANHYD—20 cyls, Rio de Janeiro; 100 cyls, Bangkok
ASBESTOS, POWD—128 bgs, Buenos Aires
INK, WRITING—165 crtns, Singapore
INSECTICIDE—5 cs, Montevideo
NITROCELLULOSE—15 bbls, Batavia
OIL, LUBRICATING—65 dms, Singapore; 15 dms, Suengi-Gerong
MINERAL—282 dms, 611 cs, Montevideo
NEATSFOOT—5 dms, Buenos Aires

Exports from U.S. Ports

Baltimore Exports

GREASE, LUBRIC—60,280 lbs, destination unkown
WATERPROOFING COMP — 36,000 lbs, Buenos Aires

Los Angeles Exports

ACETONE—56 dms, 20,050 lbs, Buenos Aires; 52 dms, 18,620 lbs, Sydney; 24 dms, 8,590 lbs, Brisbane; 136 dms, 48,690 lbs, Melbourne; 862 dms, 287,050 lbs, Liverpool
ACID, BORIC—500 bgs, 56,000 lbs, Liverpool; 120 bgs, 13,440 lbs, Rio de Janeiro; 140 bgs, 15,440 lbs, Santos; 16 bgs, 1,790 lbs, Brisbane; 1,000 bgs, 112,000 lbs, London; 2,200 bgs, 246,400 lbs, Liverpool
ACID, CRESYLIC—9,360 lbs, Manila
NITRIC—40 lbs, Amapala
SULPHURIC—180 lbs, Guatemala
ALCOHOL, BUTYL—51 dms, 18,820 lbs, Sydney; 2 dms, 740 lbs, Adelaide; 2 dms, 740 lbs, Brisbane; 16 dms, 5,800 lbs, Melbourne
DIACETONE—138 dms, 56,030 lbs, London
ASPHALT — 1,300 dms, 560,000 lbs, Puntarenas
SOLID—1,750 dms, 761,600 lbs, Bangkok; 300 dms, 125,440 lbs, Sourabaya-Semarang-Batavia
BONE ASH—600 lbs, Corinto
BORATE — 3,168 bgs, 447,670 lbs, London; 14,070 bgs, 2,263,070 lbs, London
BORAX—300 bgs, 33,080 lbs, Tientsin; 250 bgs, 28,000 lbs, Hongkong; 854 bgs, 98,250 lbs, Shanghai; 300 bgs, 33,080 lbs, Porto Alegre; 100 bgs, Santos; 80 bgs, 8,960 lbs, Adelaide; 60 bgs, 6,720 lbs, Brisbane; 20 bgs, 2,240 lbs, Brisbane; 130 bgs, 14,560 lbs, Melbourne; 358 bgs, 56,660 lbs, Sydney; 3,858 bgs, 432,100 lbs, Liverpool; 6,000 bgs, 672,000 lbs, London
BUTYL ACTATE—4 dms, 1,580 lbs, Adelaide; 14 dms, 5,520 lbs, Melbourne
CATTLE HOOFS—54,500 lbs, Osaka
CHEMICALS—50 lbs, Tegucigalpa
CLAY, FILTER—1,344 sx, 67,200 lbs, Santos; 672 bgs, 33,600 lbs, Rosario
CLEANER—1,530 lbs, Shanghai; 5,870 lbs, Hongkong; 5,810 lbs, Manila
COCOA BUTTER—100 lbs, Kobe
COLOR, DRY—9,000 lbs, Melbourne
COPPER SULPHATE—1,000 lbs, Corinto
COTTON LINTERS—2 bls, 1,300 lbs, Osaka; 2,643 bls, 1,490,520 lbs, Liverpool
DIATOMACEOUS EARTH—443 bgs, 44,300 lbs, Liverpool; 220 bgs, 22,000 lbs, Rio de Janeiro; 1,000 bgs, 100,000 lbs, Ponce; 570 bgs, 56,000 lbs, Liverpool

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Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—69,578 bbls, Seattle; 6,400 bbls, Portland-Seattle; 1,219 bbls, Portland-Seattle; 42,096 bbls, Portland-Seattle; 62,027 bbls, Seattle; 62,330 bbls, Portland; 68,198 bbls, San Francisco; 74,226 bbls, San Francisco; 4,300 bbls, San Diego; 2,050 bbls, San Diego; 1,115 bbls, San Diego; 43,000 bbls, Portland; 75,800 bbls, Portland; 14,412 bbls, San Diego; 39,687 bbls, Avon; 3,317 bbls, San Diego; 4,320 bbls, San Diego 4,450 bbls, San Diego; 2,200 bbls, Oleum
KEROSENE—14,000 bbls, Oleum
OIL, DIESEL—21,526 bbls, Seattle; 10,834 bbls, Portland; 8,707 bbls, San Francisco; 2,207 bbls, San Diego
FUEL—8,136 bbls, Portland; 48,125 bbls, Portland; 2,714 bbls, San Francisco; 2,422 bbls, Portland; 69,536 bbls, Oleum; 17,573 bbls, San Diego; 64,000 bbls, Portland; 67,416 bbls, Avon; 103,121 bbls, Richmond
FURNACE—11,650 bbls, Seattle; 3,400 bbls, Portland-Seattle; 2,224 bbls, Portland-Seattle; 1,810 bbls, Portland-Seattle; 15,455 bbls, Seattle; 2,266 bbls, Portland; 2,246 bbls, San Francisco; 2,087 bbls, San Diego
PETROLEUM, CRUDE—35,000 bbls, Oleum
SOLVENTS—2,900 bbls, Oleum

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Two Weeks Ended April 24

Almonds, bitter, 20 bags; restricted use.
Belladonna root, 12 bales; restricted use.
Caraway seed, 200 bags; filthy.
Cassia oil, 10 drums; not U.S.P.
Castor oil, 1 case; not U.S.P.
Codliver oil, 400 drums; restricted use.
Cod oil, 62 barrels; restricted use.
Coriander seed, 100 bags; filthy.
Cumin seed, 198 bags; filthy.
Gelatin, 40 bales; restricted use.
Henbane leaves, 34 bales; restricted use.
Gum myrrh, 5 bags; not U.S.P.
Liver extract, 1 parcel; Not U.S.P.
Medicinal preparation, 3 cases; false
Medicinal preparation, 3 parcels; new drug.
Medicinal preparation, 1 case; dangerous drug; new drug.
therapeutic claims.
Nutmegs, 407 bags; restricted use.
Poppy seed, 100 bags; filthy.

Boston

Two Weeks Ended April 24

Cod oil, 175 drums; restricted use.
Medicinal preparations, 2 packages; false therapeutic claims.

Buffalo

Two Weeks Ended April 24

Medicinal preparation, 2 parcels; false therapeutic claims.

Denver

Two Weeks Ended April 18

Medicinal, 5 pieces; dangerous drug.
Medicinal, 1 piece; false therapeutic claims.

Los Angeles

Two Weeks Ended April 18

Insecticide, 1 case; no ingredient statement.
Medicinal, 100 pieces; common name in English not given; active ingredient not stated by common name; directions for use and warning not given.
Tooth powder, 60 dozen pieces; false and misleading statements.

Philadelphia

Week Ended April 17

Beverage, non alcoholic, 5 cases; false and misleading statements.

San Francisco

Two Weeks Ended April 18

Almond powder, 167 cans; not almond powder as labeled.
Ginger extract, 240 bottles; adulterated; misbranded.
Medicinal, 312 pieces; misbranded.
Medicinal, 2 pieces; misbranded.
Medicinal, 500 pieces; misbranded.
Medicinal, 144 pieces; misbranded.
Medicinals, 304 pieces; false therapeutic claims.

Seattle

Two Weeks Ended April 18

Cassia, 17 bales; decomposed.
Medicinal, 10 pieces; misbranded.
Medicinal, 1 piece; misbranded.
Medicinals, 4 pieces; false therapeutic claims.
Sesame, seed, 1 case; short weight.
Sesame seed, 1 case; short weight and filthy.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Alkalies: — Havana, Cuba; purchase (7056).
Analin Salt:—Oporto, Portugal; purchase (7019).
Carbon, Black:—Zurich, Switzerland; purchase (7018).
Chemicals, Industrial:—Bilbao, Spain; purchase and agency (7010).
Chemicals, Industrial:—Lisbon, Portugal; agency (7026).
Chemicals, Soap:—Alexandria, Egypt; purchase and agency (7039).
Fertilizers: — Malaga, Spain; agency (7012).
Glue: — Alexandria, Egypt; agency (7050).
Indigo, Paste:—Oporto, Portugal; purchase (7019).
Linseed Oil:—Port Said, Egypt; purchase (7041).
Medicinals:—Istanbul, Turkey, agency (7013).
Medicinals: — Johannesburg, South Africa; agency (7011).
Paint Materials:—Bilbao, Spain; purchase and agency (7010).
Petrolatum: — Zurich, Switzerland; agency (7021).
Pharmaceuticals: — Barcelona, Spain; purchase (7020).

Technology Study Approaches End

—*Continued from page* 5

lor, of the University of California, declared that democracy is imperiled when improved machinery enables large farmers to buy out and pauperize their smaller neighbors.

In the field of education the committee heard Prof. John K. Norton, of Columbia University, who testified that, although more and more education has become necessary to raise the level of economic well-being, not all persons who possess the capabilities are provided with the opportunity for education. He declared that education encouraged individual initiative and increased productivity by increasing the occupational efficiency of each worker and by promoting occupational mobility.

Other educators stressed the dependence of national economic welfare on the quality and quantity of its trained labor force, the value of vocational education, and the necessity of education in all aspects of economic problems.

Calling for a $10,000,000,000 increase in the national income in order to re-employ those out of work, William Green, president of the American Federation of Labor, declared that workers' real wages must be advanced in proportion to man's increasing powers of production.

Thomas Kennedy, secretary-treasurer of the United Mine Workers of America, asked for government aid to assist the coal industry to advance its markets and create employment. He testified that technological change has eliminated 78,140 coal workers during the past fifteen years.

Drug Trademarks List Extended

A supplement to the list of trademarks registered with the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association is now ready for distribution. The main list was released August 1, 1938, and the present supplement represents additions, corrections, and deletions up to January 1, 1940.

The purpose of these lists is to furnish information in the preliminary consideration of new trademarks. It is the desire of the associations that the booklets receive the widest possible circulation, not only among members, but among all others interested in this important field, including firms and individuals identified with allied organizations, trademark attorneys, and association trademark bureaus.

The price of the main list is $2; that of the supplement is 50 cents a copy. If the two publications are ordered together, they will be furnished for a total of $2.50. Copies may be obtained from Carson P. Frailey, executive vice-president and secretary of the American Drug Manufacturers Association, 507 Albee building, Washington; or from S. Barksdale Penick, jr., secretary of the American Pharmaceutical Manufacturers Association, 132 Nassau street, New York. Check should be forwarded with order.

A.P.M.A. Names Sondern Research Board Chairman

Dr. C. W. Sondern, research director for George A. Breon & Co., Kansas City, Mo., has been appointed chairman of the research board of the American Pharmaceutical Manufacturers Association. He succeeds Dr. George Bancroft, who resigned because he is no longer connected with a company that is a member of the association.

Asphalt Deposits Purchase From Indians Proposed

OPD Washington Bureau
April 24, 1940

Hearings were held today on a bill (H. R. 909), introduced by Representative Wilburn Cartright of Oklahoma, to purchase coal and asphalt deposits from the Choctaw and Chickasaw Indians of Oklahoma for the sum of $12,000,000. The lands contain 3,000 acres of asphalt and 380,000 acres of coal deposits, according to the Indians. The bill authorizes the Secretary of the Interior to appraise the deposits.

Butler Nominated Head Of Buffalo Paint Club

Andrew S. Butler, jr., has been nominated for president of the Buffalo Paint, Varnish and Lacquer Association for the coming year, it was announced following a meeting of the association's nominating committee. Others nominated for office are:—

Vice-president, James O. Meyers; secretary, George E. Toles, and treasurer, Homer H. Steele. Nominated for directors are:—R. E. Endress, J. Clarence Roth, Carl H. Nagel and George B. Monell. Officers and directors will be elected and installed at the annual meeting on May 10.

Milton L. Back, president of the association, announced that Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, would come to Buffalo May 6 as guest speaker at a membership assembly of the Buffalo Chamber of Commerce, formally opening the spring selling campaign, which will continue through the month of May.

Eagle-Picher Makes Hense Pigment Div. Sales Head

Eagle-Picher Sales Company has appointed Otto Hense to the newly created position of Salesmanager of the pigment division. The appointment becomes effective May 1. Mr. Hense will make his headquarters at the general offices of the company in Cincinnati. Mr. Hense, who has been affiliated with the company since 1923, has been the Eastern representative for Eagle-Picher, with offices in New York. He is a graduate of the Case School of Applied Science.

F.P.V.P.C. Head Favors Related Group Contacts

R. J. Smith, president of the Federation of Paint and Varnish Production Clubs, was the guest speaker at the April meeting of Cleveland Production Club. He discussed the technical papers scheduled for presentation at the annual convention of the federation and suggested that questions for the open forum be worked on at this time.

Mr. Smith favored the idea of the local clubs having contacts with related groups, such as architects, painting and decorating contractors. He felt that if worked properly such combined meetings could accomplish much good. Health and hazard conditions of the industry, he said, were still open for improvement.

C. J. O'Connor, vice-president of Reichhold Chemicals, Inc., told the club of his recent South American trip and showed colored pictures of the various points of interest in South America, which he had visited, and some of the new paint plants there.

Vinyl Resin Series Offered

E. I. duPont de Nemours Co. announces a new series of water-soluble vinyl resins. The resins, now available commercially, are classified chemically as polyvinyl alcohols and have been designated by the duPont company as PVA. A new technical bulletin, describing the physical and chemical properties of these compounds and the various methods of use, will be sent free by the new products division of the R. & H. chemicals department, E. I. dupont de Necours & Co., Wilmington, Del., by mentioning the REPORTER.

Trade Briefs

Gas Purifying Materials Company's plant in Long Island City was wrecked by fire April 19.

Henry B. Robertson has been named as assistant treasurer of E. I. duPont de Nemours & Co., Wilmington.

Imperial Chemical Industries, Ltd., is erecting a plant at Huddersfield, England, which will produce nylon.

Methanol Industrial Association has been formed by Japanese producers for the purpose of controlling production.

C. A. Brown has been named first vice-president and general manager of the Lunkenheimer Company, this city.

J. A. Dunn has been named director of the technical service of the Diamond Crystal Salt Company, St. Clair, Mich.

Zonite Products Corporation, Bloomfield, N. J., has elected J. M. Olwyler president. Mr. Olwyler has been vice-president.

Australia plans the erection of central industrial laboratory at Melbourne for chemical research at a cost of £50,000.

Phosgene and mustard gas are being produced on a small scale by the Brazilian government at the Arsenal de Bom Successo.

Albert C. Cater of the Socony-Vacuum Oil Company has been elected a director of the Credit Association of Western New York.

Ambergris imports into the United States during the first eleven months of 1939, aggregating 159 pounds valued at $9,421 were somewhat heavier than in recent years.

Jonas Kamlet has established a laboratory in 50 East Forty-first street, this city, to engage in pharmaceutical and organic chemical research and consultation work.

Arthur Cailler, well known in essential oil trade circles, this city, is making excellent recovery from a heart ailment. Mr. Cailler is agent for foreign shippers of essential oils.

Percy C. Magnus, president of Magnus, Mabee & Reynard, essential oils and aromatics, this city, attended the Spring meeting of the National Wholesale Druggists Association, held recently in Chicago.

St. Ignatius beans are now being produced in the Philippine Islands at rate of from 500 to 1,000 kilograms annually. The output could be increased substantially if required by export demand for the product.

Credit Men to Convene In Toronto May 19-23

National Association of Credit Men will hold its forty-fifth annual meeting in the Royal York hotel, Toronto, Canada, May 19-23. Topics and problems of interest to business as a whole will be presented at the general sessions, while some sessions will be devoted entirely to individual industry meetings. The committee in charge of the paint, varnish, lacquer and wallpaper program and meetings is headed by Harry E. Rheel, of the John T. Lewis & Bros. Company, Philadelphia, with J. R. McKeown, of the Lowe Brothers Company, Ltd., Toronto, as vice-chairman.

Corporation Earnings Recently Reported

	Period.	1940 Net income.	1940 Per share.	1939 Net income.	1939 Per share.
Air Reduction Co., Inc.	3 Mos.	$1,442,990	$0.53	$1,027,255	$0.40
American Zinc, Lead & Smelting Co.	3 Mos.	79,000	...	44,769	...
Atlas Powder Co.	3 Mos.	364,696	1.11	220,707	.54
Catalin Corp. of America	3 Mos.	60,740	.11	44,419	.08
Commercial Solvents Corp.	3 Mos.	513,560	.19	198,042	.08
Continental Can Co.	3 Mos.	8,898,501	2.80	7,158,840	2.19
Coty, Inc.	3 Mos.	282,197	.18	.....	...
Crown Cork & Seal Co., Inc.	3 Mos.	402,603	.53	191,556	.13
Freeport Sulphur Co.	3 Mos.	861,233	1.08	316,464	.40
Hercules Powder Co.	3 Mos.	1,742,573	1.22	1,087,322	.73
Jones & Laughlin Steel Corp.	3 Mos.	1,134,611	.19	*376,525	...
Lambert Co.	6 Mos.	439,240	.59	433,443	.58
Link Belt Co.	3 Mos.	423,956	.54	199,160	.22
Lion Oil Refining Co.	3 Mos.	171,096	.39	*11,819	...
Pepsi-Cola Co.	3 Mos.	915,000	3.52	.....	...
Reynolds Metals Co.	3 Mos.	671,666	.59	193,933	.12
Scott Paper Co.	3 Mos.	442,382	.57	322,734	.46
Texas Gulf Sulphur Co.	3 Mos.	2,045,008	.53	1,434,466	.37
United Chemicals, Inc.	3 Mos.	38,923	.20	31,401	.16
U. S. Gypsum Co.	3 Mos.	1,062,921	.77	990,696	.71
Wrigley (Wm.), Jr., Co.	3 Mos.	2,457,835	1.23	2,193,356	1.11
Zonite Products Corp.	3 Mos.	70,536	.09	12,337	.01

* Deficit.

U.S.P. Convention Program Arranged

—*Continued from page* 4

Announcement of rules for facilitating business.
Memorial list of prominent pharmacopeial workers of the last decade, by the secretary.
Report of the chairman of the board of trustees.
Consideration of proposed amendments to the constitution and by-laws.
Report of the secretary of the board of trustees.
Report of the treasurer of the convention.
Report of the chairman of the committee of revision.
Final report of the committee on credentials.
Naming of the nominating committee by accredited member organizations.
General and new business.

Second Session, May 15

Minutes of the preceding session.
Report of the secretary of the pharmacopeial convention.
Receipt of resolutions or contributions in writing by members of the convention.
Report of the nominating committee.
Election of the officers of the convention, board of trustees, and the general committee of revision.
Installation of the officers for 1940-1950.
Consideration of general principles to guide the U.S.P. revision.
General and new business.
Adjournment.

Petroleum Charter Rates Studied by House Group

OPD Washington Bureau
April 25, 1940

The subcommittee of the house merchant marine committee authorized to make an investigation of transportation of petroleum by water has not yet reached a decision on holding public hearings, but has had two executive sessions devoted to the subject of charter rates for tankers between Gulf coast and north Atlantic ports.

At these meetings the committee obtained data as to recent increases in these rates from Russell B. Brown, general counsel of the Independent Petroleum Association of America, Paul E. Hadlick, counsel for the National Oil Marketers Association, and officials of the U. S. Maritime Commission. A further executive session is scheduled for next week at which it is expected representatives of major oil companies operating tanker fleets will appear.

Food Progress Reviewed At Meeting of Chemists

A discussion on "Progress in the Food Industries" was held at a joint meeting of the American section of the Society of Chemical Industry and the American Chemical Society, at the Chemists Club, this city, April 19.

Lewis W. Waters, vice-president of the General Foods Corporation, talked on the "Status of Research in the Food Industry". He stated that research is making foods more colorful, aromatic, appetizing, nourishing, of finer texture and better packaged. W. L. Campbell, general manager of manufacturing for the Kroger Grocery & Baking Company, spoke on "Processing Operations in the Food Industries". He classified improvements under those of equipment and those of method and said that most cases usually involve changes in both features.

Dr. Walter H. Eddy, director of Good Housekeeping Bureau, discussed the "Consumer's Viewpoint". He revealed what the consumer defines as satisfactory quality can be reduced to a few fundamentals. Flavor and appearance are deciding factors in almost every range of food selection, he said.

A. C. Monagle, vice-president of Standard Brands, Inc., concluded the program with a discussion of "Advertising and Sales". He brought out that the final test in any merchandising program is establishing the sale of the product on a profitable basis.

Atlantic Refining Company, Philadelphia, has awarded a contract to the Sun Shipbuilding & Dry Dock Company for construction of a 19,450-ton tanker. It will launch a 19,405-ton tanker May 11, which was built by the Sun company, Chester, Pa.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

AGENCIES WANTED: Established firm covering Pacific Coast industrial and agricultural markets would represent additional manufacturers. Expert chemical consultant at our disposal. Will arrange interview in Chicago or New York City. BOX 800, Oil, Paint and Drug Reporter.

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 807, Oil, Paint and Drug Reporter.

NEW ENGLAND DISTRIBUTION—Boston manufacturers' agent, established twelve years, now representing Pennsylvania Alcohol Corp., Franco-American Chemical Works, Wheeling Corrugating Co. (container division), Gillespie-Rogers-Pyatt Co., Inc., Wm. M. Allison & Co., desires to add one non-competitive line. Organization systematically and aggressively solicits jobbers and manufacturers throughout New England and can assure not only satisfactory sales effort but also conduct of general business economically and efficiently. Suggest any of above named concerns as references. Apply Philip A. Houghton, Inc., 113 Lincoln street, Boston, Mass.

Businesses Offered

FOR SALE—Twenty-year old establishment, paper and paint store, doing good business in city of 50,000. Owners want to retire. BOX 840, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Seven 200 to 1,200-pound Day motor driven powder mixers and sifters; five jar mills, 1 to 4 gallons; 6 in. by 16 in. 3 roll mill; 2½ gallon motor driven pony mixer. BOX 845, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

JAR MILLS, 1 and 4 gals.; pebble mills, 50-gal., porcelain lined; 30-in. Shriver cast iron filter press; 18-in. Day mushroom mill; 15-gal. pony mixer. Lawler Engineering Company, Durham avenue and L. V. R. R., Metuchen, N. J.

Equipment Wanted

WANTED.—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 793, Oil, Paint and Drug Reporter.

Export Services

EXPORT SHIPMENTS financed for reliable parties. BOX 847, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY—Modern one-story, 18,500 square feet floor space, good headroom, concrete floor, steam plant, office, excellent light, unrestricted district Long Island City, near subway and bridge. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Manufacturing Wanted

OLD, WELL-ESTABLISHED, financially strong company is interested in expanding its manufacture of bulk materials used by the pharmaceutical, food and allied manufacturers. Such items may be in chemicals, in food ingredients, or products for technical use. The company possesses extensive manufacturing facilities and has capable technicians in its employ. It invites a response from chemists and other scientific men. Either employment, royalty basis, or purchase will be discussed where processes exist, based upon actual plant experience. Address replies in confidence to BOX 798, Oil, Paint and Drug Reporter.

Materials Offered

ELECTROLYTIC IRON Powder, 100 percent, 1,000 pounds; 1,000 pounds electrolytic manganese metal, 99.90 percent; 300 pounds ferroboron and ferrouranium; 500 pounds sodium azide; 100 gallons methyl methacrylate monomer; 100 tons micaceous hematite; 100 tons zircon sand; 500 tons manganese carbonate ore; large tonnage ground mica. BOX 844, Oil, Paint and Drug Reporter.

Positions Vacant

EXPERIENCED CHEMIST wanted, acquainted with the manufacturing of tablets, ampuls, ointments, coating, etc. BOX 846, Oil, Paint and Drug Reporter.

Positions Wanted

PAINT and varnish production man with many years of experience making white goods, architectural, industrial and full line of paints and varnishes, wants position; expert shader; has chemical and technical training. BOX 817, Oil, Paint and Drug Reporter.

CHEMIST, recent graduate, taking M.S. at night. Strong organic-analytical background. Desires a start; can make his own future. No dependents; free to go anywhere. BOX 841, Oil, Paint and Drug Reporter.

EXECUTIVE'S ASSISTANT desires position with drug, chemical, pharmaceutical, allied trades concern. Thoroughly experienced buying, selling, domestic, import, export. Can take charge. Salary secondary to opportunity prove worth. BOX 842, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST—Experienced with lacquers, synthetic finishes, oils, pigments, resins and other surface coating materials; would greatly appreciate an opportunity to show his ability in the laboratory or plant of progressive firm. BOX 843, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

WILL BUY.—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

SPECIALS

2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
12—Ball Mills, 10 gal. to 500 gal.
1—9 ft. Copper Vacuum Coil Pan
1—Laboratory Mikro Pulverizer
Many other attractive bargains.

2—Nickel Vacuum Stills, 300 gal., with motor driven agitators.
1—Proctor & Schwartz 3-truck Dryer, 720 sq. ft. heating surface.
1—Zaremba Triple effect Evaporator, 2100 sq. ft. per effect.
1—Louisville 5 ft. x 20 ft. Steam Tube Dryer.
1—5 ft. x 22 in. Hardinge Conical Ball Mill.
Send for illustrated bulletin.

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Very modern plant of
AMERICAN SOYA PRODUCTS CO.
Evansville, Ind.
1,000,000 bbl. Cement Plant
CASTALIA PORTLAND CEMENT CO.
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Send for illustrated bulletins listing the equipment in these plants. Representative on premises. Arrange to inspect.

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Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

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NEW AND REBUILT EQUIPMENT
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Chemists Wanted by U.S. For Farm Laboratories

The Department of Agriculture will make about 400 appointments in the new regional laboratories for research on utilization of farm products as a result of examination to be announced by the Civil Service Commission in the near future. These examinations will be held in the grades from $2,600 for an assistant chemist and assistant chemical technologist, to $4,600 for a senior chemist and senior chemical technologist. All inquiries should be addressed to the commission at Washington.

Aluminum Salts Output Increased in 1939

Shipments of aluminum salts in the United States in 1939 totaled 494,032 short tons, compared with 466,894 tons in 1937, the previous peak year, according to the Bureau of Mines. Aluminum salts imported during 1939 totaled 828 short tons, compared with 1,871 tons in 1938. Exports of aluminum sulphate in 1939 were 34,734 tons, compared with 27,715 tons in 1938. Other aluminum compounds exported in 1939 aggregated 1,792 tons, compared with 1,770 tons in 1938. Imports of alumina were 13 tons in 1939, compared with 72 tons in 1938. Alumina exports in 1939 totaled 106 tons.

Aluminum salts and alumina manufacturers reported the consumption of approximately 185,650 long tons of dried bauxite, 8,546 short tons of alumina, 1,587 tons of aluminum metal, and a small quantity of clay, alunite, and chromite residue. About 59 percent of the bauxite used by the chemical industry was of domestic origin; the remainder was imported. Production of aluminum salts and alumina in the United States follows:—

Salt.	1938 Producers.	1938 Short tons.	1939 Producers.	1939 Short tons.
Alum:—				
Ammonia ...	7	3,754	7	5,112
Potash	3	1,715	4	2,537
Aluminum chloride:—				
Liquid	6	2,167	6	3,145
Crystal	2	6,249	4	8,340
Anhydrous ...	4		5	
Aluminum sulfate:—				
Commercial:—				
General	16	353,044	17	403,813
Municipal ...	10	10,278	10	11,239
Iron-free...	8	15,082	9	23,640
Sodium aluminum sulfate	2	24,961	2	31,545
Sodium aluminate ..	7		8	
Total aluminum salts..	..	417,241	..	480,371
*Alumina	7	29,045	10	30,695

* Excludes alumina produced for use in making aluminum; includes activated, calcined, crude, light and heavy hydrate, and Monohydrate D produced for sale.

Japan Eases Restrictions On Canton Chemical Trade

The Japanese authorities at Canton have announced that, effective April 20, general trade restrictions will be provisionally relaxed so as to permit imports into and exports from Canton without special permission, with the exception of trade in specified articles for which licenses will be required for inward or outward movement, according to a cablegram received in the Department of Commerce from the American consulate general in Canton. The list of sixty-eight products for which prior licenses must be obtained for importation or exportation includes cassia, firecrackers, chinawood oil, petroleum products, bristles, dyes and pigments, wax, candles, and antimony, manganese and molydenum ores. At the same time, it was announced that the import tariff in force in other occupied areas will be applied at Canton, also as from April 20.

Dry Blending Unit Described

The Patterson conical dry blender is described in a leaflet recently prepared by the Patterson Foundry & Machine Company. The unit is said to provide the maximum assurance of quick blending of dry, free-flowing materials with the utmost in accuracy. It is made in a variety of sizes and types for various requirements. A copy of the leaflet may be secured by communicating with the Patterson Foundry & Machine Company, East Liverpool, Ohio, mentioning the REPORTER.

Portuguese Chemical industry has reported an output of 116,114 tons of chemicals of all types in 1939.

Index to Advertisements

Advance Solvents & Chemical Corp.. —
Agicide Labs., Inc.... 60
Alexander, Jerome.... 52
Allied Asphalt & Mineral Corp.... —
American Agricultural Chem. Co.... 1
American-British Chem. Supplies, Inc. —
American Can Co.... —
American Cyanamid & Chem. Corp... 20
American Firstoline Corporation.... 44
American Flange & Mfg. Co., Inc.... —
American Potash & Chemical Corp.... 44
American Turpentine Farmers Assoc. Cooperative .... —
Anderson Prichard Oil Corp.... —
Angus, W. W., Inc.... 39
Apex Chemical Co., Inc.... —
Associated Agencies.... —
Association of Consulting Chemists and Chemical Engineers, Inc.... 52
Atlantic Coast Fisheries Corp. of N.Y. 44
Atlantic Refining Co.... —
Ayrton Chemical Co.... —

Baker, J. T., Chemical Co.... 44
Barium & Chemicals, Inc.... 28
Barium Reduction Corp.... 26
Barrett Company.... 30, 53
Bonzol Products Co.... —
Binney & Smith Co.... 35
Boone, Paul D.... 52
Bradley, A. J., Mfg. Co.... 35
Brighton Copper Works.... —
Brill Equipment Corp.... —
Brode Corp., The.... 40
Bromund, E. A., Co.... —
Brown, Leland, Laboratories.... 52
Bureau of Chemistry.... 52
Burke, Edw. S.... 43
Bush, W. J., & Co., Inc.... —

Calco Chemical Div.... —
Calif. Fruit Growers Exchange.... 16
Calvert, Robert.... 52
Capital City Products Co.... 40
Carbide & Carbon Chemicals Corp.... 2
Carey, The Philip, Co.... —
Chaplain & Bibbo, Inc.... 44
Chemical Solvents, C. P., Inc.... 60
Chilean Nitrate Sales Corp.... —
Church & Dwight Co.... 26
Climax Molybdenum Co.... 8
Colgate-Palmolive-Peet Co.... 45
Colledge, E. W., General Sales Agent. —
Colton, Arthur, Co.... 35
Columbia Alkali Corp.... —
Commercial Solvents Corp.... —
Companhia Anilinas E Productos Chimicos Do Brasil.... —
Conewango Refining Co.... —
Consolidated Products Co., Inc.... 58
Consumers Import Co., Inc.... 43
Continental Carbon Co.... —
Corn Products Refining Co.... —
Cowles Detergent Co.... —
Crown Can Co.... 23

Darling & Co.... —
Dewey & Almy Chemical Co.... —
Diamond Alkali Co.... 27
Dickhart, W. H. 52
Dodge & Olcott Co.... —
Doggett, Stanley, Inc.... 34
Dorward & Sons Co.... —
Douglass Sulphur Co.... 28
Dow Chemical Co.... 12
Dunkel, Paul A., & Co., Inc.... 47
DuPont de Nemours, E. I., & Co., Inc. 59
Durez Plastics & Chemicals, Inc.... —

Eastman Kodak Co.... —
Ehrlich, J.... 52
Electrical Testing Laboratories.... 52
Electro Bleaching Gas Co.... —
Ellis-Foster Co.... 52
Emery Industries, Inc.... 39

Fairmount Chemical Co.... —
Felton Chemical Co.... —
Fezandie & Sperrle.... 29
First Machinery Corp.... 58
Food Research Laboratories, Inc.... 52
France, Campbell & Darling, Inc.... 48
Frank-Vliet Co., Inc.... —
Franks Chemical Products Co.... —
Freeport Sulphur Co.... —
Fritzsche Bros., Inc.... 48, 51
Fulton Bag & Cotton Mills.... —

General Chemical Co.... —
General Drug Co.... 48
General Dyestuff Corp.... —
General Electric Co.... —
General Petroleum Corp.... —
Gesell, R., Co., Inc.... —
Givaudan-Delawanna, Inc.... 45
Glyco Products Co., Inc.... —
Gray, William S., & Co.... 1
Gray Industrial Laboratories.... 52
Greeff, R. W., & Co.... 33
Gross, A., & Co.... 40
Gruman, J. B., Co.... 56

Hammond, W. A., Drierite Co.... —
Hardesty, W. C., Co., Inc.... —
Harshaw Chemical Co.... 36
Heekin Can Co.... —
Heyden Chemical Corp.... 28
Hilton-Davis Chemical Co.... 34
Holt, C. J., & Co., Inc.... 52
Hooker Electrochemical Co.... —
Hopkins, J. L., & Co.... 47
Huisking, Chas. L., & Co., Inc.... 44
Hutchinson, D. W., & Co., Inc.... 49

Imperial Oil & Gas Products Co.... 34
Imperial Paper & Color Corp.... 35
Independent Mfg. Co.... —
Industrial Consulting Labs., Inc.... 52
Innis, Speiden & Co.... —
International Pulp Co.... —
International Selling Corp.... 28
Irvington Smelting & Refining Works. 26

Jungmann & Co., Inc.... —

Kachurin Drug Co.... 47
Kelco Co.... —
Kentucky Color & Chemical Co.... 34
Knight, B. H.... 52
Koppers Co.... 31
Krebs Pigment & Color Corp.... —

Laning, E. M., Co.... 52
LaWall & Harrisson.... 52
Leghorn Trading Co.... 44
Lemke, B. L.... 60
Leonhard, Theodor, Wax Co., Inc.... —
Luaces, E. L., & Associates.... 52
Lueders, George, & Co.... 49

Magnetic Pigment Co.... 35
Magnus, Mabee & Reynard, Inc.... 49
Mallinckrodt Chemical Works.... 6
Mantrose Corp.... —
Mathieson Alkali Works, Inc.... —
McKesson & Robbins, Inc.... —
Merck & Co., Inc.... 42
Metallo-Chemical Corp.... 28
Metasap Chemical Co.... —
Meyer, Herman, Drug Co., Inc.... —
Miel, George A.... 52
Mills, Zophar, Inc.... —
Minnesota Specialty Co., Inc.... —
Molnar Laboratories.... 52
Monsanto Chemical Co.... —
Munch, James C.... 52
Mutual Chemical Co. of America.... 29

National Aniline & Chemical Co., Inc. —
National Box & Lumber Co.... —
National Carbon Co., Inc.... —
National Lead Company.... —
National Milk Sugar Co.... 45
National Rosin Oil & Size Co.... 34
Natural Products Refining Co.... 29
Neuberg Chemical Corp.... 11
Neville Co.... —
New Jersey Zinc Co.... —
Newport Industries, Inc.... —
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp.... 29
Niagara Alkali Corp.... 19

Oldbury Electro-Chemical Co.... 59
Orbis Products Corp.... —
Orthmann Laboratories, Inc.... 52
Osborn, C. J., Co.... 34
Owens-Illinois Glass Co.... —

Pacific Coast Borax Co.... 1
Pacific Vegetable Oil Corp.... —
Paramet Chemical Corp.... 33
Parsons, M. W.... 34
Paul, Edw. P., & Co., Inc.... —
Penick, S. B., & Co.... 46
Pennsylvania Coal Products Co.... —
Pennsylvania Oil Products Refining Company 60
Pennsylvania Refining Co.... —
Pfaltz & Bauer, Inc.... —
Pfizer, Chas., & Co., Inc.... 25
Phelps Dodge Refining Co.... —
Philadelphia Quartz Co.... —
Philipp Brothers, Inc.... 26
Polachek, Z. H.... 52
Potash Co. of America.... 53
Pressed Steel Tank Co.... —
Prior Chemical Corp.... 1
Procter & Gamble.... 39, 44
Publicker Commercial Alcohol Co.... 1
Purdy, W. S., Co., Inc.... 52
Pure Calcium Products Division.... 1

Raisch, John E., & Co.... 52
Reichhold Chemicals, Inc.... 15
Reklamefondet for Norsk Medicintran —
Republic Steel Corp.... 32
Rheem Mfg. Co.... —
Rosenthal, H. H., Co., Inc.... —
Rufert Chemical Co.... 51

Sadtler, Samuel P., & Sons, Inc.... 52
St. Joseph Lead Co.... —
Schellings, C. J., & Co.... 44
Schuylkill Chemical Co.... 45
Schwarz Laboratories, Inc.... 52
Seil, Putt & Rusby, Inc.... 52
Shell Oil Co.... —
Sherwood Petroleum Co., Inc.... 51
Silzle, E. A., Corp.... —
Skelly Oil Co.... 18
Sloman, Ira I.... 52
Smith, George B., Colors.... —
Smith, Kline & French Labs.... —
Snell, Foster D., Inc.... 52
Socony-Vacuum Oil Co., Inc.... —
Solvay Sales Corp.... —
Sonneborn, L., Sons, Inc.... 60
Standard Brands, Inc.... —
Standard Oil Co. of Calif.... —
Standard Synthetics, Inc.... 49
Standard Ultramarine Co.... 34
Stauffer Chemical Co.... 22
Stillman & Van Siclen, Inc.... 52
Stillwell & Gladding.... 52
Stroock & Wittenberg Corp.... —
Sun Oil Co.... —

Taintor Trading Co., Inc.... —
Tamms Silica Co.... —
Tar & Chemical Div. of Koppers Co.. 31
Tennessee Corp.... —
Texas Gulf & Sulphur Co., Inc.... —
Thornton, The F. C., Co., Inc.... —
Thurston & Braidich.... 60
Titanium Pigment Corp.... —
Todd, A. M., & Co.... —
Tombarel Products Corp.... 49
Turner, Joseph, & Co.... 26

Union Carbide & Carbon Corp.... 2
U. S. Industrial Chemicals, Inc.... —
United States Potash Co.... 53

Vanderbilt, R. T., Co., Inc.... —
Victor Chemical Works.... 28
Viking Distributing Co.... —
Vitro Manufacturing Co.... —
Vorce, L. D.... 52

Wah Chang Trading Corp.... 40
Warner Chemical Co.... —
Wecoline Products, Inc.... 60
Weiss & Downs, Inc.... 52
Wet Ground Mica Ass'n, Inc.... —
Wheeling Corrugating Co.... —
White Tar Co. of N. J.... 31
Wiley & Co., Inc.... 52
Will & Baumer Candle Co., Inc.... 41
Williams, C. K., & Co.... —
Wishnick-Tumpeer, Inc.... —
Woburn Degreasing Co. of N. J.... 40
Wolf, Jacques, & Co.... —
Wood Preserving Corp.... 31
Wood Ridge Div.... —
Zophar Mills, Inc.... —

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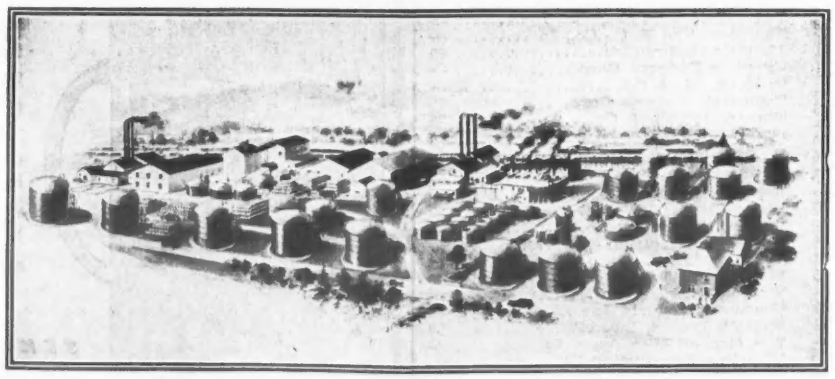

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